PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

AG METROLOGY S.r.l.

Strada San Faustino, 155 N, 41124 Modena (MO), Italy

and hereby declares that the Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Electrical, Mechanical, and Thermodynamic Calibration

(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
May 08, 2020	July 27, 2026	October 31, 2028

Accreditation No.:	*Certificate No.:*
108949	L26-674

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com

Certificate of Accreditation: Supplement

AG METROLOGY S.r.l.

Strada San Faustino, 155 N, 41124 Modena (MO), Italy
Contact Name: Andrea Meda Phone: +39-059-397-0648

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure DC Voltage	Up to 1 mV	0.29 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	1 mV to 10 mV	0.004 2 % of Reading + 0.31 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	10 mV to 100 mV	0.000 26 % of Reading + 0.85 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	0.1 V to 1 V	0.000 46 % of Reading + 2.7 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	1 V to 10 V	0.000 36 % of Reading + 28 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	10 V to 100 V	0.000 70 % of Reading + 0.24 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Voltage	100 V to 1 000 V	0.000 72 % of Reading + 2.4 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	Up to 100 µA	0.002 4 % of Reading + 7.2 nA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	0.1 mA to 1 mA	0.004 0 % of Reading + 13 nA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	1 mA to 10 mA	0.004 3 % of Reading + 0.11 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	10 mA to 100 mA	0.006 2 % of Reading + 1.2 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	0.1 A to 1 A	0.017 % of Reading + 49 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	1 A to 10 A	0.097 % of Reading + 1.4 mA	Meatest M143	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure DC Current	10 A to 20 A	0.090 % of Reading + 2.0 mA	Meatest M143	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	Up to 1 Ω	0.000 21 % of Reading + 30 µΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F

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Electrical	Equipment to Measure Resistance	1 Ω to 10 Ω	0.001 9 % of Reading + 16 µΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	10 Ω to 100 Ω	0.001 5 % of Reading + 56 µΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	0.1 kΩ to 1 kΩ	0.001 3 % of Reading + 0.23 mΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	1 kΩ to 10 kΩ	0.001 3 % of Reading + 1.2 mΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	10 kΩ to 100 kΩ	0.001 3 % of Reading + 0.13 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	0.1 MΩ to 1 MΩ	0.001 5 % of Reading + 0.23 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	1 MΩ to 10 MΩ	0.002 8 % of Reading + 83 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	10 MΩ to 100 MΩ	0.022 % of Reading + 7.9 kΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure Resistance	0.1 GΩ to 1 GΩ	0.17 % of Reading + 1.4 MΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Output DC Voltage	Up to 1 mV	0.14 µV	Agilent 34420A	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Voltage	1 mV to 10 mV	0.004 2 % of Reading + 0.11 µV	Agilent 34420A	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Voltage	10 mV to 100 mV	0.000 09 % of Reading + 0.64 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Voltage	0.1 V to 1 V	0.000 22 % of Reading + 2.2 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Voltage	1 V to 10 V	0.000 22 % of Reading + 22 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Voltage	10 V to 100 V	0.000 48 % of Reading + 0.2 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F

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Electrical	Equipment to Output DC Voltage	100 V to 1 000 V	0.000 48 % of Reading + 2.0 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	Up to 100 µA	0.001 2 % of Reading + 5.8 nA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	0.1 mA to 1 mA	0.001 8 % of Reading + 13 nA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	1 mA to 10 mA	0.002 8 % of Reading + 29 nA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	10 mA to 100 mA	0.004 6 % of Reading + 0.75 µA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	0.1 A to 1 A	0.014 % of Reading + 12 µA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	1 A to 10 A	0.009 8 % of Reading + 23 µA	Datron Wavetek 1281 Fluke Y5020	CEM EL-010	F1, F2	F
Electrical	Equipment to Output DC Current	10 A to 20 A	0.009 0 % of Reading + 0.20 mA	Datron Wavetek 1281 Fluke Y5020	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	Up to 1 Ω	24 µΩ	Agilent 34420A	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	1 Ω to 10 Ω	0.001 1 % of Reading + 23 µΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	10 Ω to 100 Ω	0.000 7 % of Reading + 0.19 mΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	0.1 kΩ to 1 kΩ	0.000 45 % of Reading + 2.1 mΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	1 kΩ to 10 kΩ	0.000 45 % of Reading + 21 mΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	10 kΩ to 100 kΩ	0.000 45 % of Reading + 0.25 Ω	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	0.1 MΩ to 1 MΩ	0.000 9 % of of Reading	Datron Wavetek 1281	CEM EL-010	F1, F2	F

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Electrical	Equipment to Output Resistance	1 MΩ to 10 MΩ	0.001 7 % of Reading + 69 Ω	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	10 MΩ to 100 MΩ	0.015 % of Reading + 7.7 kΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output Resistance	0.1 GΩ to 1 GΩ	0.15 % of Reading + 0.77 MΩ	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Measure DC Voltage	Up to 100 mV	0.011 % of Reading + 7.1 µV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Voltage	0.1 V to 1 V	0.006 1 % of Reading + 11 µV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Voltage	1 V to 10 V	0.006 1 % of Reading + 51 µV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Voltage	10 V to 100 V	0.006 1 % of Reading + 1.1 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Voltage	100 V to 1000 V	0.011 % of Reading + 21 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	Up to 200 µA	0.051 % of Reading + 22 nA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	0.2 mA to 2 mA	0.026 % of Reading + 0.13 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	2 mA to 20 mA	0.019 % of Reading + 1.5 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	20 mA to 200 mA	0.022 % of Reading + 25 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	0.2 A to 2 A	0.016 % of Reading + 0.16 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Current	2 A to 20 A	0.11 % of Reading + 2.1 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	Up to 10 Ω	0.004 5 % of Reading + 0.41 mΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	O

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Electrical	Equipment to Measure DC Resistance	10 Ω to 100 Ω	0.003 2 % of Reading + 4.1 mΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	0.1 kΩ to 1 kΩ	0.002 4 % of Reading + 41 mΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	1 kΩ to 10 kΩ	0.002 7 % of Reading + 0.41 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	10 kΩ to 100 kΩ	0.002 6 % of Reading + 4.1 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	1 MΩ	56 Ω	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	10 MΩ	1.3 kΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure DC Resistance	100 MΩ	81 kΩ	Valhalla 2724A	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Output DC Voltage	Up to 100 mV	0.005 2 % of Reading + 3.8 µV	Valhalla 2724A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Voltage	0.1 V to 1 V	0.004 2 % of Reading + 7.4 µV	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Voltage	1 V to 10 V	0.003 6 % of Reading + 52 µV	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Voltage	10 V to 100 V	0.004 7 % of Reading + 0.64 mV	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Voltage	100 V to 1 000 V	0.004 7 % of Reading + 11 mV	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Current	Up to 100 µA	0.007 3 % of Reading + 2.8 nA	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Current	0.1 mA to 1 mA	0.007 3 % of Reading + 20 nA	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Current	1 mA to 10 mA	0.051 % of Reading + 2.1 µA	Agilent 34401A	CEM EL-10	F1, F2	O

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Electrical	Equipment to Output DC Current	10 mA to 100 mA	0.052 % of Reading + 5.5 µA	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Current	0.1 A to 1 A	0.11 % of Reading + 0.12 mA	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Current	1 A to 20 A	0.046 % of Reading + 3.6 mA	Agilent 34401A Fluke Y5020	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	Up to 100 Ω	0.012 % of Reading + 4.1 mΩ	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	0.1 kΩ to 1 kΩ	0.011 % of Reading + 12 mΩ	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	1 kΩ to 10 kΩ	0.011 % of Reading + 0.12 Ω	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	10 kΩ to 100 kΩ	0.011 % of Reading + 1.2 Ω	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	0.1 MΩ to 1 MΩ	0.011 % of Reading + 12 Ω	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	1 MΩ to 10 MΩ	0.041 % of Reading + 0.23 kΩ	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Output DC Resistance	10 MΩ to 100 MΩ	0.81 % of Reading + 11 kΩ	Agilent 34401A	CEM EL-10	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 40 Hz)	Up to 100 mV	0.009 3 % of Reading + 7.8 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 30 kHz)	Up to 100 mV	0.021 % of Reading + 11 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 30 kHz to 100 kHz)	Up to 100 mV	0.047 % of Reading + 26 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F

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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 40 Hz)	0.1 V to 1 V	0.013 % of Reading + 25 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 30 kHz)	0.1 V to 1 V	0.022 % of Reading + 26 µV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 30 kHz to 100 kHz)	0.1 V to 1 V	0.032 % of Reading + 0.20 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	0.1 V to 1 V	0.10 % of Reading + 2.3 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz)	0.1 V to 1 V	25 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 40 Hz)	1 V to 10 V	0.006 2 % of Reading + 0.89 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 30 kHz)	1 V to 10 V	0.022 % of Reading + 0.26 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 30 kHz to 100 kHz)	1 V to 10 V	0.032 % of Reading + 2.0 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	0.10 % of Reading + 0.23 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz)	1 V to 10 V	0.25 V	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F

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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 40 Hz)	10 V to 100 V	0.015 % of Reading + 2.3 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 30 kHz)	10 V to 100 V	0.022 % of Reading + 2.3 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 30 kHz to 100 kHz)	10 V to 100 V	0.032 % of Reading + 20 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 30 kHz)	100 V to 1 000 V	0.027 % of Reading + 18 mV	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	Up to 100 mV	0.007 6 % of Reading + 5.5 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	Up to 100 mV	0.006 6 % of Reading + 5.5 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	Up to 100 mV	0.023 % of Reading + 8.3 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	Up to 100 mV	0.053 % of Reading + 20 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	0.1 V to 1 V	0.009 6 % of Reading + 15 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	0.1 V to 1 V	0.006 8 % of Reading + 17 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F

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Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	0.1 V to 1 V	0.019 % of Reading + 27 µV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	0.1 V to 1 V	0.036 % of Reading + 1.8 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	0.1 V to 1 V	0.18 % of Reading + 1.9 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	0.1 V to 1 V	0.23 % of Reading + 20 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	1 V to 10 V	0.009 7 % of Reading + 0.14 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	1 V to 10 V	0.006 8 % of Reading + 0.17 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	1 V to 10 V	0.019 % of Reading + 0.27 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	1 V to 10 V	0.036 % of Reading + 1.8 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	0.18 % of Reading + 19 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	1 V to 10 V	0.23 % of Reading + 0.20 V	Datron Wavetek 1281	CEM EL-010	F1, F2	F

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AG METROLOGY S.r.l.

Strada San Faustino, 155 N, 41124 Modena (MO), Italy
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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	10 V to 100 V	0.012 % of Reading + 1.3 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	10 V to 100 V	0.009 7 % of Reading + 1.4 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	10 V to 100 V	0.019 % of Reading + 2.7 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	10 V to 100 V	0.037 % of Reading + 18 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	100 V to 1 000 V	0.012 % of Reading + 12 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	100 V to 1 000 V	0.021 % of Reading + 0.25 mV	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	Up to 100 µA	0.009 1 % of Reading + 38 nA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	0.1 mA to 1 mA	0.016 % of Reading + 0.25 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	1 mA to 10 mA	0.013 % of Reading + 2.5 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	10 mA to 100 mA	0.013 % of Reading + 25 µA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F

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Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	0.1 A to 1 A	0.079 % of Reading + 0.82 mA	Datron Wavetek 4808	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	1 A to 10 A	0.27 % of Reading + 1.7 mA	Meatest M143	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	10 A to 20 A	0.23 % of Reading + 5.0 mA	Meatest M143	Euramet Cg-15	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	Up to 100 µA	0.006 1 % of Reading + 30 nA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	0.1 mA to 1 mA	0.017 % of Reading + 0.20 µA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	1 mA to 10 mA	0.017 % of Reading + 2.0 µA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	10 mA to 100 mA	0.017 % of Reading + 20 µA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	0.1 A to 1 A	0.10 % of Reading + 0.70 mA	Datron Wavetek 1281	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	1 A to 10 A	0.003 4 % of Reading + 1.5 mA	Datron Wavetek 1281 Fluke Y5020	CEM EL-010	F1, F2	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	10 A to 20 A	0.005 0 % of Reading + 3.7 mA	Datron Wavetek 1281 Fluke Y5020	CEM EL-010	F1, F2	F

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Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 400 Hz)	Up to 100 mV	0.11 % of Reading + 0.053 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 400 Hz to 10 kHz)	Up to 100 mV	0.16 % of Reading + 0.072 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 400 Hz)	0.1 V to 1 V	0.055 % of Reading + 0.13 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 400 Hz to 10 kHz)	0.1 V to 1 V	0.077 % of Reading + 0.12 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 400 Hz)	1 V to 10 V	0.055 % of Reading + 1.3 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 400 Hz to 10 kHz)	1 V to 10 V	0.074 % of Reading + 3.1 mV	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 400 Hz)	10 V to 100 V	0.055 % of Reading + 0.015 V	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 400 Hz to 10 kHz)	10 V to 100 V	0.074 % of Reading + 0.031 V	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 40 Hz to 400 Hz)	100 V to 1 000 V	0.075 % of Reading + 0.26 V	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Voltage (@ 400 Hz to 10 kHz)	100 V to 1 000 V	0.11 % of Reading + 0.33 V	Meatest M143	Euramet Cg-15	F1, F2	O

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Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	Up to 200 µA	0.26 % of Reading + 0.25 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	Up to 200 µA	0.21 % of Reading + 0.32 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	0.2 mA to 2 mA	0.11 % of Reading + 2.3 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	0.2 mA to 2 mA	0.11 % of Reading + 2.3 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	2 mA to 20 mA	0.077 % of Reading + 22 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	2 mA to 20 mA	0.11 % of Reading + 22 µA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	20 mA to 200 mA	0.18 % of Reading + 0.82 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	20 mA to 200 mA	0.19 % of Reading + 0.82 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	0.2 A to 2 A	0.11 % of Reading + 1.4 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	0.2 A to 2 A	0.16 % of Reading + 1.7 mA	Meatest M143	Euramet Cg-15	F1, F2	O

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Electrical	Equipment to Measure AC Current (@ 20 Hz to 200 Hz)	2 A to 20 A	0.26 % of Reading + 3.3 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Measure AC Current (@ 200 Hz to 1 kHz)	2 A to 20 A	0.21 % of Reading + 11 mA	Meatest M143	Euramet Cg-15	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 2 kHz)	Up to 100 mV	0.069 % of Reading + 44 µV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 20 kHz)	Up to 100 mV	0.076 % of Reading + 49 µV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	Up to 100 mV	0.63 % of Reading + 93 µV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 2 kHz)	0.1 V to 1 V	0.067 % of Reading + 0.32 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 20 kHz)	0.1 V to 1 V	0.070 % of Reading + 0.32 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	0.1 V to 1 V	0.62 % of Reading + 0.90 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	0.1 V to 1 V	1.9 % of Reading + 24 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 2 kHz)	1 V to 10 V	0.067 % of Reading + 3.2 mV	Agilent 34401A	CEM EL-010	F1, F2	O

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Electrical	Equipment to Output AC Voltage (@ 2 kHz to 20 kHz)	1 V to 10 V	0.067 % of Reading + 3.2 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	1 V to 10 V	0.62 % of Reading + 9.0 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	1.5 % of Reading + 0.24 V	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 2 kHz)	10 V to 100 V	0.066 % of Reading + 32 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 20 kHz)	10 V to 100 V	0.066 % of Reading + 32 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	10 V to 100 V	0.62 % of Reading + 90 mV	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 2 kHz)	100 V to 750 V	0.071 % of Reading + 0.28 V	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 20 kHz)	100 V to 750 V	0.070 % of Reading + 0.34 V	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	100 V to 750 V	0.63 % of Reading + 0.76 V	Agilent 34401A	CEM EL-010	F1, F2	O
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	Up to 1 A	0.20 % of Reading + 0.94 mA	Agilent 34401A	CEM EL-010	F1, F2	O

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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 5 kHz)	1 A to 20 A	0.030 % of Reading + 1.6 mA	Agilent 34401A Fluke Y5020	CEM EL-010	F1, F2	O
Electrical	DC Clamp Meter	20 A to 500 A	0.40 % of Reading + 18 mA	Meatest M143/140-50 Coil	CEM EL-007	F1, F2	F, O
Electrical	DC Clamp Meter	500 A to 1 000 A	0.38 % of Reading + 0.10 A	Meatest M143/140-50 Coil	CEM EL-007	F1, F2	F, O
Electrical	AC Clamp Meter (@ 10 Hz to100 Hz)	20 A to 500 A	0.44 % of Reading + 23 mA	Meatest M143/140-50 Coil	CEM EL-007	F1, F2	F, O
Electrical	AC Clamp Meter (@ 10 Hz to 100 Hz)	500 A to 1 000 A	0.44 % of of Reading	Meatest M143/140-50 Coil	CEM EL-007	F1, F2	F, O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Pt/Pd (CJC off)	0 °C to 1 500 °C	0.080 °C -0.003 1 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Pt/Pd (CJC on)	0 °C to 1 500 °C	0.28 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Au/Pt (CJC off)	0 °C to 1 000 °C	0.070 °C - 0.004 0 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Au/Pt (CJC on)	0 °C to 1 000 °C	0.28 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-901	F1, F2	F

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type R (CJC off)	-50 °C to 1 768 °C	0.11 °C - 0.002 2 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type R (CJC on)	-50 °C to 1 768 °C	0.18 °C - 0.001 7 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type S (CJC off)	-50 °C to 1 768 °C	0.11 °C - 0.001 6 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type S (CJC on)	-50 °C to 1 768 °C	0.17 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type B (CJC off)	420 °C to 1 820 °C	0.11 °C - 0.002 3 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type B (CJC on)	420 °C to 1 820 °C	0.41 °C - 0.003 6 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC off)	-200 °C to 1 200 °C	0.028 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC on)	-200 °C to 1 200 °C	0.14 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC off)	-200 °C to 400 °C	0.029 °C - 0.003 3 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC on)	-200 °C to 400 °C	0.13 °C - 0.008 3 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type E (CJC off)	-200 °C to 1 000 °C	0.026 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type E (CJC on)	-200 °C to 1 000 °C	0.14 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type K (CJC off)	-200 °C to 1 300 °C	0.037 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type K (CJC on)	-200 °C to 1 300 °C	0.14 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type N (CJC off)	-200 °C to 1 300 °C	0.049 °C - 0.001 3 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type N (CJC on)	-200 °C to 1 300 °C	0.14 °C	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type C (CJC off)	0 °C to 2 310 °C	0.033 °C + 0.003 8 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type C (CJC on)	0 °C to 2 310 °C	0.20 °C + 0.001 3 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type A (CJC off)	0 °C to 2 500 °C	0.037 °C + 0.004 1 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type A (CJC on)	0 °C to 2 500 °C	0.20 °C + 0.003 2 % of of Reading	Datron Wavetek 4808 Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F

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Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Pt/Pd (CJC off)	0 °C to 1 500 °C	0.027 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Pt/Pd (CJC on)	0 °C to 1 500 °C	0.27 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Au/Pt (CJC off)	0 °C to 1 000 °C	0.027 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Au/Pt (CJC on)	0 °C to 1 000 °C	0.27 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type R (CJC off)	-50 °C to 1 768 °C	0.033 °C + 0.000 90 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type R (CJC on)	-50 °C to 1 768 °C	0.14 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type S (CJC off)	-50 °C to 1 768 °C	0.032 °C + 0.001 2 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type S (CJC on)	-50 °C to 1 768 °C	0.14 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type B (CJC off)	420 °C to 1 820 °C	0.039 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type B (CJC on)	420 °C to 1 820 °C	0.33 °C	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC off)	-200 °C to 1 200 °C	0.017 °C + 0.001 5 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC on)	-200 °C to 1 200 °C	0.14 °C	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC off)	-200 °C to 400 °C	0.015 °C	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC on)	-200 °C to 400 °C	0.13 °C + 0.006 7 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type E (CJC off)	-200 °C to 1 000 °C	0.017 °C + 0.001 3 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type E (CJC on)	-200 °C to 1 000 °C	0.14 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type K (CJC off)	-200 °C to 1 300 °C	0.020 °C + 0.001 8 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type K (CJC on)	-200 °C to 1 300 °C	0.15 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type N (CJC off)	-200 °C to 1 300 °C	0.021 °C + 0.001 2 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F

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Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type N (CJC on)	-200 °C to 1 300 °C	0.14 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type C (CJC off)	0 °C to 2 310 °C	0.010 °C + 0.004 4 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type C (CJC on)	0 °C to 2 310 °C	0.22 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type A (CJC off)	0 °C to 2 500 °C	0.011 °C + 0.004 4 % of Reading	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type A (CJC on)	0 °C to 2 500 °C	0.23 °C	Agilent 34420A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with RTD	-200 °C to 850 °C	0.002 0 % of Reading + 0.005 °C	Valhalla 2724A Electrical Simulation of RTD Output	Euramet Cg-11 IEC 60751-1 ITS-90	F1, F2	F
Electrical	Temperature Simulator by Electrical Measurement with RTD	-200 °C to 850 °C	0.001 9 % of Reading + 0.005 °C	Datron Wavetek 1281 Electrical Simulation of RTD Input	Euramet Cg-11 IEC 60751-1 ITS-90	F1, F2	F
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Pt/Pd (CJC off)	0 °C to 1 500 °C	0.44 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Pt/Pd (CJC on)	0 °C to 1 500 °C	0.54 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	O

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Au/Pt (CJC off)	0 °C to 1 000 °C	0.38 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type Au/Pt (CJC on)	0 °C to 1 000 °C	0.49 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 62460 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type R (CJC off)	-50 °C to 1 768 °C	0.56 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type R (CJC on)	-50 °C to 1 768 °C	0.68 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type S (CJC off)	-50 °C to 1 768 °C	0.54°C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type S (CJC on)	-50 °C to 1 768 °C	0.66°C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type B (CJC off)	420 °C to 1 820 °C	0.54 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type B (CJC on)	420 °C to 1 820 °C	0.65 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC off)	-200 °C to 1 200 °C	0.15 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type J (CJC on)	-200 °C to 1 200 °C	0.24 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC off)	-200 °C to 400 °C	0.16 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type T (CJC on)	-200 °C to 400 °C	0.24 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type E (CJC off)	-200 °C to 1 000 °C	0.13 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type E (CJC on)	-200 °C to 1 000 °C	0.22 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type K (CJC off)	-200 °C to 1 300 °C	0.19 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type K (CJC on)	-200 °C to 1 300 °C	0.27 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type N (CJC off)	-200 °C to 1 300 °C	0.24 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type N (CJC on)	-200 °C to 1 300 °C	0.3 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type C (CJC off)	0 °C to 2 310 °C	0.53 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O

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Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type C (CJC on)	0 °C to 2 310 °C	0.56 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type A (CJC off)	0 °C to 2 500 °C	0.59 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation with Thermocouple Type A (CJC on)	0 °C to 2 500 °C	0.62 °C	GE Druck DPI 620-CE Electrical Simulation of Thermocouple Output	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Indicator by Electrical Simulation RTD	-200 °C to 850 °C	0.17 °C	GE Druck DPI 620-CE Electrical Simulation of RTD Output	Euramet Cg-11 IEC 60751-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Pt/Pd (CJC off)	0 °C to 1 500 °C	0.82 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Pt/Pd (CJC on)	0 °C to 1 500 °C	0.88 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Au/Pt (CJC off)	0 °C to 1 000 °C	0.72 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type Au/Pt (CJC on)	0 °C to 1 000 °C	0.78 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O

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Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type R (CJC off)	-50 °C to 1 768 °C	1.1 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type R (CJC on)	-50 °C to 1 768 °C	1.1 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type S (CJC off)	-50 °C to 1 768 °C	1.1 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type B (CJC off)	420 °C to 1 820 °C	1.1 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type B (CJC on)	420 °C to 1 820 °C	1.1 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type J (CJC off)	-200 °C to 1 200 °C	0.2 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type J (CJC on)	-200 °C to 1 200 °C	0.27 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type T (CJC off)	-200 °C to 400 °C	0.28 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type T (CJC on)	-200 °C to 400 °C	0.34 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type E (CJC off)	-200 °C to 1 000 °C	0.18 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O

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Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type E (CJC on)	-200 °C to 1 000 °C	0.26 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type K (CJC off)	-200 °C to 1 300 °C	0.29 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type K (CJC on)	-200 °C to 1 300 °C	0.34 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type N (CJC off)	-200 °C to 1 300 °C	0.44 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type N (CJC on)	-200 °C to 1 300 °C	0.48 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type C (CJC off)	0 °C to 2 310 °C	0.51 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type C (CJC on)	0 °C to 2 310 °C	0.54 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type A (CJC off)	0 °C to 2 500 °C	0.6 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with Thermocouple Type A (CJC on)	0 °C to 2 500 °C	0.63 °C	Agilent 34970A Electrical Simulation of Thermocouple Input	Euramet Cg-11 IEC 60584-1 ITS-90	F1, F2	O
Electrical	Temperature Simulator by Electrical Measurement with RTD	-200 °C to 850 °C	0.17 °C	Agilent 34970A Electrical Simulation of RTD Input	Euramet Cg-11 IEC 60751-1	F1, F2	O

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	> 0 kPa to 172 kPa	0.001 9 % of Reading + 0.29 Pa	Ruska 2465 (2465-770 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	12 kPa to 700 kPa	0.001 7 % of Reading + 0.31 Pa	Ruska 2465 (2465-793 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	14 kPa to 7 MPa	0.002 0 % of Reading + 0.54 Pa	Ruska 2465 (2460-706 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	0 kPa to 172 kPa	0.001 9 % of Reading + 0.06 Pa	Ruska 2465 (2465-770 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	12 kPa to 700 kPa	0.001 6 % of Reading + 0.04 Pa	Ruska 2465 (2465-793 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	14 kPa to 7 MPa	0.002 0 % of Reading + 0.40 Pa	Ruska 2465 (2460-706 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Vacuum Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	-95 kPa to 0 kPa	0.12 Pa - 0.001 9 % of of Reading	Ruska 2465 (2465-770 assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	> 0 kPa to 350 kPa	0.008 0 % of Reading + 8.3 Pa	DH Instruments PPC3 7M A7M/A350K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	350 kPa to 700 kPa	0.005 8 % of Reading + 16 Pa	DH Instruments PPC3 7M A7M/A700K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	700 kPa to 7 MPa	0.008 0 % of Reading + 0.45 Pa	DH Instruments PPC3 7M A7M/A700K	Euramet Cg-17 DKD-R 6-1	F1, F2	F

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Mechanical	Absolute Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	7 MPa to 21 MPa	0.006 7 % of Reading + 1.8 kPa	GE Druck DPI 515	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	0 kPa to 15 kPa	0.007 8 % of Reading + 0.14 Pa	DH Instruments PPC3 200K G100K/BG15K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	15 kPa to 100 kPa	0.008 6 % of Reading + 2.1 Pa	DH Instruments PPC3 200K G100K/BG15K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	100 kPa to 700 kPa	0.008 2 % of of Reading	DH Instruments PPC3 7M A7M/A700K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	700 kPa to 7 MPa	0.008 2 % of Reading + 0.23 Pa	DH Instruments PPC3 7M A7M/A700K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	7 MPa to 21 MPa	0.005 5 % of Reading + 1.8 kPa	GE Druck DPI 515	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Vacuum Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	-95 kPa to -15 kPa	-0.009 1 % of of Reading	DH Instruments PPC3 7M A7M/A350K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Vacuum Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	-15 kPa to 0 kPa	-0.007 7 % of Reading + 0.14 Pa	DH Instruments PPC3 200K G100K/BG15K	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	200 kPa to 6.1 MPa	0.005 7 % of Reading + 6.8 Pa	DH Budenberg 480HX (low range assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Absolute Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	2.1 MPa to 120 MPa	0.007 7 % of Reading + 0.30 Pa	DH Budenberg 480HX (high range assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F

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Mechanical	Gauge Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	0 kPa to 6 MPa	0.005 5 % of Reading + 2.2 Pa	DH Budenberg 480HX (low range assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	2 MPa to 120 MPa	0.007 6 % of Reading + 2.0 Pa	DH Budenberg 480HX (high range assembly)	Euramet Cg-17 DKD-R 6-1	F1, F2	F
Mechanical	Gauge Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	0 MPa to 1 MPa	0.020 % of Reading + 61 Pa	Ge Druck DPI 620-CE Ge Druck PM 620	Euramet Cg-17 DKD-R 6-1	F1, F2	O
Mechanical	Gauge Pneumatic, Pressure Transducers, Pressure Transmitters, & Manometers	1 MPa to 10 MPa	0.030 % of of Reading	Ge Druck DPI 620-CE Ge Druck PM 620	Euramet Cg-17 DKD-R 6-1	F1, F2	O
Mechanical	Vacuum Pneumatic Pressure Transducers, Pressure Transmitters, & Manometers	-95 kPa to 0 kPa	0.020 % of Reading + 61 Pa	Ge Druck DPI 620-CE Ge Druck PM 620	Euramet Cg-17 DKD-R 6-1	F1, F2	O
Mechanical	Gauge Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	0 MPa to 10 MPa	0.026 % of Reading + 88 Pa	Ge Druck DPI 620-CE Ge Druck PM 620	Euramet Cg-17 DKD-R 6-1	F1, F2	O
Mechanical	Gauge Hydraulic Pressure Transducers, Pressure Transmitters, & Manometers	10 MPa to 100 MPa	0.027 % of Reading + 64 Pa	Ge Druck DPI 620-CE Ge Druck PM 620	Euramet Cg-17 DKD-R 6-1	F1, F2	O
Thermodynamic	Type Pt/Pd Thermocouple	0 °C to 300 °C	0.18 °C	Fluke 7380, East Tester ET3875-300, SPRT Agilent 34420A Fluke 1575A/1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type Pt/Pd Thermocouple	300 °C to 450 °C	0.19 °C	Fluke 7380, East Tester ET3875-300, SPRT Agilent 34420A Fluke 1575A/1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type Pt/Pd Thermocouple	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR, SPRT Agilent 34420A Fluke 1575A/1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type Pt/Pd Thermocouple	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR, Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type Pt/Pd Thermocouple	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type AuPt Thermocouple	0 °C to 300 °C	0.18 °C	Fluke 7380 East Tester ET3875-300 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type AuPt Thermocouple	300 °C to 450 °C	0.19 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type AuPt Thermocouple	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type AuPt Thermocouple	600 °C to 1 000 °C	0.51 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	-50 °C to 0 °C	0.33 °C	Isotech ISIS SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	0 °C to 50 °C	0.077 °C	Fluke 7380 SPRT Agilent 34420A Datron 1281 Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type R Thermocouple	50 °C to 300 °C	0.18 °C	East Tester ET3875-300 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	300 °C to 450 °C	0.19 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	-50 °C to 0 °C	0.33 °C	Isotech ISIS SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	0 °C to 50 °C	0.079 °C	Fluke 7380 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	50 °C to 300 °C	0.18 °C	East Tester ET3875-300 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	300 °C to 450 °C	0.19 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type S Thermocouple	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type S Thermocouple	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type B Thermocouple	50 °C to 300 °C	0.46 °C	East Tester ET3875-300 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type B Thermocouple	300 °C to 450 °C	0.19 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type B Thermocouple	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR Nabertherm RD30/200/13 SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type B Thermocouple	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type B Thermocouple	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	-100 °C to 0 °C	0.14 °C	Isotech ISIS SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	0 °C to 50 °C	0.060 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type J Thermocouple	50 °C to 300 °C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	300 °C to 450 °C	0.26 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	450 °C to 600 °C	0.31 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type J Thermocouple	1 080 °C to 1 200 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type T Thermocouple	-100 °C to 0 °C	0.14 °C	Isotech ISIS SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type T Thermocouple	0 °C to 50 °C	0.069 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type T Thermocouple	50 °C to 300 °C	0.14 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type T Thermocouple	300 °C to 400 °C	0.26 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	-100 °C to 0 °C	0.15 °C	Isotech ISIS SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	0 °C to 50 °C	0.067 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	50 °C to 300 °C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	300 °C to 450 °C	0.24 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	450 °C to 600 °C	0.31 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type E Thermocouple	600 °C to 1 000 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type K Thermocouple	-100 °C to 0°C	0.15 °C	Isotech ISIS, SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type K Thermocouple	0 °C to 50°C	0.075 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type K Thermocouple	50 °C to 300 °C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	300 °C to 450 °C	0.24 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type K Thermocouple	450 °C to 600 °C	0.26 °C	Pond Engineering K34XR SPRT, Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type K Thermocouple	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type K Thermocouple	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type N Thermocouple	-100 °C to 0°C	0.15 °C	Isotech ISIS SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	0 °C to 50°C	0.065 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Thermodynamic	Type N Thermocouple	50 °C to 300 °C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	300 °C to 450 °C	0.24 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type N Thermocouple	450 °C to 600 °C	0.26 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type N Thermocouple	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type N Thermocouple	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	0 °C to 50°C	0.15 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	50 °C to 300°C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	300 °C to 450 °C	0.24 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type C Thermocouple	450 °C to 600 °C	0.26 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type C Thermocouple	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type A Thermocouple	0 °C to 50°C	0.15 °C	Fluke 7380 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type A Thermocouple	50 °C to 300 °C	0.23 °C	East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type A Thermocouple	300 °C to 450 °C	0.25 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type A Thermocouple	450 °C to 600 °C	0.27 °C	Pond Engineering K34XR SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type A Thermocouple	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F

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Thermodynamic	Type A Thermocouple Probe & Reference Junction	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34420A	ASTM E220 Euramet Cg-8	F1, F2	F
Thermodynamic	Type R Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.068 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type S Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.068 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type J Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.054 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type T Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.072 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type E Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.056 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F

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Thermodynamic	Type K Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.070 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type N Thermocouple Probe & Reference Junction	0 °C to 50 °C	0.053 °C	Fluke 7380 East Tester ET3875-300 SPRT Agilent 34420A Fluke 1575A / 1590	ASTM E2730	F1, F2	F
Thermodynamic	Type Pt/Pd Thermocouple	0 °C to 150 °C	0.80 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type Pt/Pd Thermocouple	150 °C to 420 °C	0.68 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type Pt/Pd Thermocouple	420 °C to 600 °C	0.66 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type Pt/Pd Thermocouple	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	0 °C to 150 °C	0.70 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	150 °C to 420 °C	0.68 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O

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Thermodynamic	Type AuPt Thermocouple	420 °C to 600 °C	0.62 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	600 °C to 1 000 °C	0.91 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type R Thermocouple	-40 °C to 150°C	1.1 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type R Thermocouple	150 °C to 420 °C	0.56 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type R Thermocouple	420 °C to 600 °C	0.69 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type R Thermocouple	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type S Thermocouple	-40 °C to 150°C	0.99 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type S Thermocouple	150 °C to 420 °C	0.58 °C	Additel 875-660 SPRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type S Thermocouple	420 °C to 600 °C	0.72 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type S Thermocouple	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O

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Thermodynamic	Type B Thermocouple	420 °C to 600 °C	1.1 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type B Thermocouple	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type J Thermocouple	-100 °C to -40 °C	0.22 °C	Isotech ISIS PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type J Thermocouple	-40 °C to 150 °C	0.19 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type J Thermocouple	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type J Thermocouple	420 °C to 600 °C	0.61 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type J Thermocouple	600 °C to 1 200 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type T Thermocouple	-100°C to -40 °C	0.25 °C	Isotech ISIS PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type T Thermocouple	-40°C to 150 °C	0.21 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type T Thermocouple	150°C to 400 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O

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Thermodynamic	Type E Thermocouple	-100 °C to -40 °C	0.22 °C	Isotech ISIS PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type E Thermocouple	-40 °C to 150 °C	0.19 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type E Thermocouple	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type E Thermocouple	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type E Thermocouple	600 °C to 1 000 °C	1.3 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type K Thermocouple	-100 °C to -40 °C	0.24 °C	Isotech ISIS PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type K Thermocouple	-40 °C to 150 °C	0.21 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type K Thermocouple	150 °C to 420 °C	0.42 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type K Thermocouple	420 °C to 600 °C	0.61 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type K Thermocouple	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O

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Thermodynamic	Type N Thermocouple	-100 °C to -40 °C	0.24 °C	Isotech ISIS PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type N Thermocouple	-40 °C to 150 °C	0.21 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type N Thermocouple	150 °C to 420 °C	0.42 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type N Thermocouple	420 °C to 600 °C	0.61 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type N Thermocouple	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type C Thermocouple	0 °C to 150 °C	0.34 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type C Thermocouple	150 °C to 420 °C	0.49 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type C Thermocouple	420 °C to 600 °C	0.66 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type C Thermocouple	600 °C to 1 300 °C	2.0 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type A Thermocouple	0 °C to 150 °C	0.34 °C	Additel 875-155 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O

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Thermodynamic	Type A Thermocouple	150 °C to 420 °C	0.49 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type A Thermocouple	420 °C to 600 °C	0.66 °C	Additel 875-660 PRT Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	Type A Thermocouple	1 050 °C to 1 300 °C	2.0 °C	Nabertherm RD30/200/13 Thermocouple Pt/Pd Agilent 34970A	ASTM E220 Euramet Cg-8	F1, F2	O
Thermodynamic	RTD Thermistors	-100 °C to -80 °C	0.085 °C	Isotech ISIS SPRT Datron 1281 Fluke 1575A / 1590	ASTM E2593 DKD-R 5-1	F1, F2	F
Thermodynamic	RTD Thermistors	-80 °C to 50 °C	0.017 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2593 DKD-R 5-1	F1, F2	F
Thermodynamic	RTD Thermistors	50 °C to 300 °C	0.028 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2593 DKD-R 5-1	F1, F2	F
Thermodynamic	RTD Thermistors	300 °C to 450 °C	0.072 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2593 DKD-R 5-1	F1, F2	F
Thermodynamic	RTD Thermistors	450 °C to 600 °C	0.14 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2593 DKD-R 5-1	F1, F2	F
Thermodynamic	RTD Thermistors	0.01 °C	0.005 °C	Isotech Hyperion Tempsens TPW cell Fluke 1575A / 1590	ASTM E1750	F1, F2	F

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Thermodynamic	RTD Thermistors	-100 °C to -40 °C	0.16 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2593 DKD-R 5-1	F1, F2	O
Thermodynamic	RTD Thermistors	-40 °C to 150 °C	0.14 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2593 DKD-R 5-1	F1, F2	O
Thermodynamic	RTD Thermistors	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT ThermometerAgilent 34970A	ASTM E2593 DKD-R 5-1	F1, F2	O
Thermodynamic	RTD Thermistors	420 °C to 600 °C	0.65 °C	Additel 875-660 PRT ThermometerAgilent 34970A	ASTM E2593 DKD-R 5-1	F1, F2	O
Thermodynamic	Digital Thermometers	0 °C to 300 °C	0.18 °C	Fluke 7380 East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Digital Thermometers	300 °C to 450 °C	0.19 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Digital Thermometers	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Digital Thermometers	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Digital Thermometer used with Thermocouple	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F

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Thermodynamic	Type AuPt Thermocouples	0 °C to 300 °C	0.19 °C	Fluke 7380 East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type AuPt Thermocouples	300 °C to 450 °C	0.20 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type AuPt Thermocouples	450 °C to 600 °C	0.22 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type AuPt Thermocouples	600 °C to 1 000 °C	0.51 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	-50 °C to 0°C	0.37 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	0 °C to 50°C	0.17 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	50 °C to 300 °C	0.20 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	300 °C to 450 °C	0.21 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	450 °C to 600 °C	0.23 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F

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Strada San Faustino, 155 N, 41124 Modena (MO), Italy
Contact Name: Andrea Meda Phone: +39-059-397-0648

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Thermodynamic	Type R Thermocouples	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	-50 °C to 0°C	0.36 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	0 °C to 50°C	0.17 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	50 °C to 300 °C	0.20 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	300 °C to 450 °C	0.21 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	450 °C to 600 °C	0.23 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type S Thermocouples	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type B Thermocouples	300 °C to 450 °C	0.30 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F

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Thermodynamic	Type B Thermocouples	450 °C to 600 °C	0.28 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type B Thermocouples	600 °C to 1 080 °C	0.51 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type B Thermocouples	1 080 °C to 1 300 °C	1.2 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type J Thermocouples	-100 °C to 0 °C	0.18 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type J Thermocouples	0 °C to 50 °C	0.16 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type J Thermocouples	50 °C to 300 °C	0.24 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type J Thermocouples	300 °C to 450 °C	0.25 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	450 °C to 600 °C	0.27 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	1 080 °C to 1 200 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F

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Thermodynamic	Type T Thermocouples	-100 °C to 0 °C	0.16 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type T Thermocouples	0 °C to 50 °C	0.075 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type R Thermocouples	50 °C to 300 °C	0.17 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type T Thermocouples	300 °C to 400 °C	0.27 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	-100 °C to 0 °C	0.18 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	0 °C to 50 °C	0.12 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	50 °C to 300 °C	0.24 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	300 °C to 450 °C	0.25 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	450 °C to 600 °C	0.27 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type E Thermocouples	600 °C to 1 000 °C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F

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Thermodynamic	Type K Thermocouples	-100 °C to 0 °C	0.18 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	0 °C to 50 °C	0.13 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	50 °C to 300 °C	0.24 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	300 °C to 450 °C	0.25 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	450 °C to 600 °C	0.27 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type K Thermocouples	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	-100 °C to 0 °C	0.18 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	0 °C to 50 °C	0.12 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	50 °C to 300 °C	0.24 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F

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Thermodynamic	Type N Thermocouples	300 °C to 450 °C	0.25 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	450 °C to 600 °C	0.27 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type N Thermocouples	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type C Thermocouples	0 °C to 450 °C	0.34 °C	Fluke 7380 East Tester ET3875-300 Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type C Thermocouples	450 °C to 600 °C	0.36 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type C Thermocouples	600 °C to 1 080 °C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type C Thermocouples	1 080 °C to 1 300 °C	1.6 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F

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Thermodynamic	Type A Thermocouples	0 °C to 450 °C	0.34 °C	Fluke 7380 East Tester ET3875-300 Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type A Thermocouples	450 °C to 600 °C	0.36 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	Type A Thermocouples	600 °C to 1 080°C	1.1 °C	Pond Engineering K34XR Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Type A Thermocouples	1 080 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34420A	ASTM E2877	F1, F2	F
Thermodynamic	Digital Thermometers	0 °C to 150 °C	0.20 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Digital Thermometers	150 °C to 420 °C	0.38 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Digital Thermometers	420 °C to 600 °C	0.58 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Digital Thermometers	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	0 °C to 150 °C	0.21 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O

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Thermodynamic	Type AuPt Thermocouple	150 °C to 420 °C	0.38 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	420 °C to 600 °C	0.58 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type AuPt Thermocouple	600 °C to 1 000 °C	0.88 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type R Thermocouples	-40 °C to 150 °C	0.37 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type R Thermocouples	150 °C to 420 °C	0.39 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type R Thermocouples	420 °C to 600 °C	0.59 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type R Thermocouples	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type S Thermocouples	-40 °C to 150 °C	0.37 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type S Thermocouples	150 °C to 420 °C	0.39 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type S Thermocouples	420 °C to 600 °C	0.59 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O

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Thermodynamic	Type S Thermocouples	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type B Thermocouples	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type B Thermocouples	600 °C to 1 300 °C	1.7 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type J Thermocouples	-100 °C to -40 °C	0.20 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type J Thermocouples	-40 °C to 150 °C	0.18 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type J Thermocouples	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type J Thermocouples	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type J Thermocouples	600 °C to 1 200 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type T Thermocouples	-100 °C to -40 °C	0.18 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type T Thermocouples	-40 °C to 150 °C	0.19 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O

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Thermodynamic	Type T Thermocouples	150 °C to 400 °C	0.42 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type E Thermocouples	-100 °C to -40 °C	0.20 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type E Thermocouples	-40 °C to 150 °C	0.18 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type E Thermocouples	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type E Thermocouples	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type E Thermocouples	600 °C to 1 000 °C	1.3 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type K Thermocouples	-100 °C to -40 °C	0.20 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type K Thermocouples	-40 °C to 150 °C	0.18 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type K Thermocouples	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type K Thermocouples	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O

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Thermodynamic	Type K Thermocouples	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type N Thermocouples	-100 °C to -40 °C	0.20 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type N Thermocouples	-40 °C to 150 °C	0.18 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type N Thermocouples	150 °C to 420 °C	0.41 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type N Thermocouples	420 °C to 600 °C	0.60 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type N Thermocouples	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type C Thermocouples	0 °C to 150 °C	0.32 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type C Thermocouples	150 °C to 420 °C	0.47 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type C Thermocouples	420 °C to 600 °C	0.65 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type C Thermocouples	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O

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Thermodynamic	Type A Thermocouples	0 °C to 150 °C	0.32 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type A Thermocouples	150 °C to 420 °C	0.47 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type A Thermocouples	420 °C to 600 °C	0.65 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	Type A Thermocouples	600 °C to 1 300 °C	1.9 °C	Nabertherm RD30/200/13 Thermocouple Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	RTD Digital Thermometer	-100 °C to -80 °C	0.086 °C	Isotech ISIS SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	RTD Digital Thermometer	-80 °C to 50 °C	0.019 °C	Fluke 7380 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	RTD Digital Thermometer	50 °C to 300 °C	0.029 °C	East Tester ET3875-300 SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	RTD Digital Thermometer	300 °C to 450 °C	0.073 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	RTD Digital Thermometer	450 °C to 600 °C	0.14 °C	Pond Engineering K34XR SPRT Fluke 1575A / 1590	ASTM E2877	F1, F2	F
Thermodynamic	RTD Digital Thermometer	0.01 °C	0.005 °C	Isotech Hyperion Tempsens TPW cell, Fluke 1575A / 1590	ASTM E1750	F1, F2	F

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AG METROLOGY S.r.l.

Strada San Faustino, 155 N, 41124 Modena (MO), Italy
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Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Thermodynamic	RTD Digital Thermometer	-100 °C to -40 °C	0.13 °C	Isotech ISIS PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	RTD Digital Thermometer	-40 °C to 150 °C	0.091 °C	Additel 875-155 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	RTD Digital Thermometer	150 °C to 420 °C	0.33 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	RTD Digital Thermometer	420 °C to 600 °C	0.55 °C	Additel 875-660 PRT Agilent 34970A	ASTM E2877	F1, F2	O
Thermodynamic	IR Thermometers	-40 °C to 150 °C	1.1 °C	CI Systems SR-800-7D-LT PRT Agilent 34970A	ASTM E2847	F1, F2	F, O
Thermodynamic	IR Thermometers	150 °C to 550 °C	2.3 °C	Isotech Gemini R 976 550 PRT Agilent 34970A	ASTM E2847	F1, F2	F, O
Thermodynamic	IR Thermometers	550 °C to 1 200 °C	3.1 °C	ISD 564/201 + 574/301 Type S thermocouple Agilent 34970A	ASTM E2847	F1, F2	F, O
Thermodynamic	Dewpoint Hygrometer (Temperature)	-25 °C to 50 °C	0.19 °C	Sansel HCAL 1104U Baluntech BL-782	ASTM D4230	F1, F2	F
Thermodynamic	Dewpoint Hygrometer (Temperature)	-20 °C to 50 °C	0.31 °C	Kaymont 2000 Baluntech BL-782	ASTM D4230	F1, F2	O
Thermodynamic	Ambient Air Thermometers	0 °C to 60 °C	0.15 °C	Sansel HCAL 1104U PRT Fluke 1575A / 1590	CEM TH - 007	F1, F2	F

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Thermodynamic	Ambient Air Thermometers	10 °C to 50 °C	0.32 °C	Kaymont 2000 PRT Agilent 34970A	CEM TH - 007	F1, F2	O
Thermodynamic	Thermostatic Equipment	-80 °C to 150 °C	0.21 °C	PRT Agilent 34970A	Euramet Cg-13 Euramet Cg-20 AMS 2750 CQI-9 DKD-R 5-7 IEC 60068	F1, F2	F, O
Thermodynamic	Thermostatic Equipment	150 °C to 420 °C	0.63 °C	Type N thermocouple Agilent 34970A	Euramet Cg-13 Euramet Cg-20 AMS 2750 CQI-9 DKD-R 5-7 IEC 60068	F1, F2	F, O
Thermodynamic	Thermostatic Equipment	420 °C to 600 °C	1.2 °C	Type N thermocouple Agilent 34970A	Euramet Cg-13 Euramet Cg-20 AMS 2750 CQI-9 DKD-R 5-7 IEC 60068	F1, F2	F, O
Thermodynamic	Thermostatic Equipment	600 °C to 1 050 °C	2.9 °C	Type N thermocouple Agilent 34970A	Euramet Cg-13 Euramet Cg-20 AMS 2750 CQI-9 DKD-R 5-7 IEC 60068	F1, F2	F, O

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Thermodynamic	Thermostatic Equipment	1 050 °C to 1 300 °C	3.8 °C	Type N thermocouple Agilent 34970A	Euramet Cg-13 Euramet Cg-20 AMS 2750 CQI-9 DKD-R 5-7 IEC 60068	F1, F2	F, O
Thermodynamic	Hygrometer	10 % RH to 90 % RH	1.6 % of Reading + 0.21 % RH	Sansel HCAL 1104U PRT Baluntech BL-782 Fluke 1575A / 1590	DKD-R 5-8 CEM TH – 007	F1, F2	F
Thermodynamic	Hygrometer	10 % RH to 90 % RH	2.6 % of Reading + 0.32 % RH	Kaymont 2000 PRT Baluntech BL-782 Fluke 1575A / 1590	DKD-R 5-8 CEM TH – 007	F1, F2	O
Thermodynamic	Controlled Humidity Equipment	10 % RH to 90 % RH	3.2 % RH	PRT Baluntech BL-782 Agilent 34970A	DKD-R 5-7 IEC 60068 Euramet Cg-20	F1, F2	F, O

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Accreditation is granted to the facility to perform the following conformity assessment activities:

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.

2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.

3. Location of activity:

Location Code	**Location**
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer location

4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.