Name of Accreditation Program	JCSS Accreditation Program
Accreditation Identification	JCSS 0155 Calibration
Date of Initial Accreditation	2007-10-01
Effective Date of Accreditation	2020-03-23
Expiry Date of Accreditation	2023-08-19
Latest Date of Issue	2020-03-23
Name and Location of Conformity Assessment Body	Measurement Standards Section, Technology Standardization Department, Azbil Corporation 1-12-2, Kawana, Fujisawa-shi, Kanagawa 251-8522, Japan
Name of Legal Entity	Azbil Corporation JCN 9010001096367
Inquiry Point	Measurement Standards Section, Technology Standardization Department, Tel: +81-466-20-2135 FAX: +81-466-20-2291
Accreditation Requirements	ISO/IEC 17025:2017 and Accreditation Requirements in the Section 6 of Accreditation Scheme (JCSS) 2nd Edition (Calibration)
Accreditation Scope	As attached

*JCN: Japan Corporate Number

General Field of Calibration: Temperature

Date of Initial Accreditation of the Field: 2007-10-01

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)	
Contact Type Thermometer	Fixed point apparatus	Triple point of water	0.5 mK	
		Melting point of Gallium	2.2 mK	
		Freezing point of Indium	2.4 mK	
	Resistance thermometer (Fixed point calibration)		$W(T_{90})$	$R(T_{90})$
		Triple point of water	—	0.7 mK
		Melting point of Gallium	2.3 mK	2.4 mK
		Freezing point of Indium	2.5 mK	2.5 mK
	Resistance thermometer (Comparative calibration)	From 0 °C up to 200 °C	-	22 mK
	Thermometer with indicator (Fixed point calibration)	Triple point of water	2.4 mK	
		Melting point of Gallium	3.2 mK	
		Freezing point of Indium	3.3 mK	
	Thermometer with indicator (Comparative calibration)	From 0 °C up to 200 °C	22 mK	

#All Calibration Procedures are in-house procedures developed by this laboratory.

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Contact Type Thermometer	Thermometer with indicator (Comparative calibration)	From 0 °C up to 80 °C	60 mK
		More than 80 °C up to 200 °C	70 mK

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Fluid flow

Date of Initial Accreditation of the Field: 2019-10-10

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Liquid flow meters	Micro flow meters	From 1 g/min up to 30 g/min	0.15 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Electricity (Direct Currency & Low Frequency)
Date of Initial Accreditation of the Field: 2008-09-10
Permanent Laboratory/On-site Calibration: Laboratory's permanent facility
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Direct Current & Low Frequency Measuring Equipment, etc.	DC Resistance Box	From 0.1 Ω less than 1 Ω	1. 0 ppm
		From 1 Ω up to 10 kΩ	0.60 ppm
		More than 10 kΩ up to 100 kΩ	1.0 ppm
		More than 100 kΩ up to 1 MΩ	2.5 ppm
		More than 1 MΩ up to 10 MΩ	4.0 ppm
		More than 10 MΩ up to 100 MΩ	6.0 ppm
		More than 100 MΩ up to 1 GΩ	10 ppm
		More than 1 GΩ up to 10 GΩ	20 ppm
	DC Resistance Measuring Equipment	0.1 Ω	16 ppm
		1 Ω	3.0 ppm
		More than 1 Ω less than 10 Ω	8.0 ppm
		10 Ω	3.0 ppm
		More than 10 Ω less than 100 Ω	8.0 ppm
		100 Ω	3.0 ppm
		More than 100 Ω less than 1 kΩ	8.0 ppm
		1 kΩ	3.0 ppm
		More than 1 kΩ less than 10 kΩ	8.0 ppm
		10 kΩ	3.0 ppm
		100 kΩ	3.0 ppm
		1 MΩ	4.0 ppm
		10 MΩ	6.0 ppm
		100 MΩ	16 ppm
		1 GΩ	30 ppm
		10 GΩ	60 ppm
	DC Voltage Source	From 1 μV up to 1 mV	0.120 μV
		More than 1 mV less than 3 mV	120 ppm
		From 3 mV less than 100 mV	50 ppm
		From 100 mV less than 250 mV	1.2 $V_x \times 10^{-6}$ + 0.35 μV
		From 100 mV less than 1 V	2.5 ppm
		1 V	2.1 ppm
		More than 1 V less than 3 V	0.6 $V_x \times 10^{-6}$ + 2.7 μV
		From 3 V less than 10 V	1.5 ppm
		10 V	0.68 ppm
		More than 10 V up to 100 V	5.6 ppm
		More than 100 V up to 1.1 kV	6.5 ppm
	DC Voltage Measuring Equipment	From 1 μV less than 5.5 mV	0.09 μV
		From 5.5 mV less than 100 mV	5.4 $V_x \times 10^{-6}$ + 0.06 μV
		100 mV	5.0 ppm
		More than 100 mV less than 200 mV	5.2 ppm
		From 200 mV less than 1 V	4.0 ppm

Direct Current & Low Frequency Measuring Equipment, etc.	DC Voltage Measuring Equipment		1 V	1.7 ppm
			More than 1 V less than 10 V	3.0 ppm
			10 V	1.2 ppm
			More than 10 V up to 1.1 kV	8.0 ppm
	Direct Current Source		From 20 μ A up to 200 μ A	5.3 ppm
			More than 200 μ A up to 20 mA	5.0 ppm
			More than 20 mA up to 200 mA	6.0 ppm
			More than 200 mA up to 2000 mA	14 ppm
	Direct Current Measuring Equipment		From 20 μ A less than 100 μ A	25 ppm
			From 100 μ A up to 200 mA	15 ppm
			More than 200 mA up to 2 A	35 ppm
	Temperature Indicator	Thermocouple B, with Reference Junction	From 1.7919 mV up to 13.8203 mV (From 600 ºC less than 1820 ºC)	(0.0049 + 0.00157E - 0.000068E^2) mV
		Thermocouple B, without Reference Junction	From 1.7919 mV up to 13.8203 mV (From 600 ºC less than 1820 ºC)	(0.0014 + 0.00032E - 0.000013E^2) mV
		Thermocouple E, with Reference Junction	From -9.7184 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0278 + 0.00002E - 0.000200E^2) mV
			From 0.0000 mV less than 37.0054 mV (From 0 ºC less than 500 ºC)	(0.0270 + 0.00053E - 0.000007E^2) mV
			From 37.0054 mV up to 76.3728 mV (From 500 ºC up to 1000 ºC)	(0.0400 - 0.00008E) mV
		Thermocouple E, without Reference Junction	From -9.7184 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0165 - 0.000110E^2) mV
			From 0.0000 mV less than 37.0054 mV (From 0 ºC less than 500 ºC)	(0.0160 + 0.00034E - 0.000005E^2) mV
			From 37.0054 mV up to 76.3728 mV (From 500 ºC up to 1000 ºC)	(0.0230 - 0.00003E) mV
		Thermocouple J, with Reference Junction	From -8.0954 mV less than 0.0000 mV (From -210 ºC less than 0 ºC)	(0.0240 + 0.00001E - 0.000200E^2) mV
			From 0.0000 mV less than 45.4944 mV (From 0 ºC less than 800 ºC)	(0.0240 + 0.00011E) mV
			From 45.4944 mV up to 69.5532 mV (From 800 ºC up to 1200 ºC)	(0.0360 - 0.00014E) mV
		Thermocouple J, without Reference Junction	From -8.0954 mV less than 0.0000 mV (From -210 ºC less than 0 ºC)	(0.0150 + 0.00002E - 0.000110E^2) mV
			From 0.0000 mV less than 45.4944 mV (From 0 ºC less than 800 ºC)	(0.0150 + 0.00005E) mV
			From 45.4944 mV up to 69.5532 mV (From 800 ºC up to 1200 ºC)	(0.0210 - 0.00007E) mV
		Thermocouple K, with Reference Junction	From -5.8914 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0190 + 0.00054E - 0.000200E^2) mV
			From 0.0000 mV less than 29.1290 mV (From 0 ºC less than 700 ºC)	(0.0190 + 0.00002E) mV
			From 29.1290 mV up to 54.8864 mV (From 700 ºC up to 1372 ºC)	(0.0230 - 0.00012E) mV
		Thermocouple K, without Reference Junction	From -5.8914 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0113 + 0.00030E - 0.000110E^2) mV
			From 0.0000 mV less than 29.1290 mV (From 0 ºC less than 700 ºC)	(0.0112 + 0.00003E) mV

Direct Current & Low Frequency Measuring Equipment, etc.	Temperature Indicator	Thermocouple K, without Reference Junction	From 29.1290 mV up to 54.8864 mV (From 700 ºC up to 1372 ºC)	(0.0137 - 0.00006E) mV
		Thermocouple N, with Reference Junction	From -3.9904 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0128 + 0.00032E - 0.000330E^2) mV
			From 0.0000 mV less than 24.5267 mV (From 0 ºC less than 700 ºC)	(0.0124 + 0.00052E - 0.000012E^2) mV
			From 24.5267 mV up to 47.5128 mV (From 700 ºC up to 1300 ºC)	(0.0197 - 0.00006E) mV
		Thermocouple N, without Reference Junction	From -3.9904 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0080 + 0.00017E - 0.000170E^2) mV
			From 0.0000 mV less than 24.5267 mV (From 0 ºC less than 700 ºC)	(0.0080 + 0.00029E - 0.000007E^2) mV
			From 24.5267 mV up to 47.5128 mV (From 700 ºC up to 1300 ºC)	(0.0119 - 0.00003E) mV
		Thermocouple R, with Reference Junction	From 0.0000 mV less than 2.4006 mV (From 0 ºC less than 300 ºC)	(0.0029 + 0.00140E - 0.000300E^2) mV
			From 2.4006 mV less than 14.6287 mV (From 300 ºC less than 1300 ºC)	(0.0041 + 0.00026E - 0.000006E^2) mV
			From 14.6287 mV up to 21.0892 mV (From 1300 ºC up to 1767 ºC)	(-0.0032 + 0.00120E - 0.000036E^2) mV
		Thermocouple R, without Reference Junction	From 0.0000 mV less than 2.4006 mV (From 0 ºC less than 300 ºC)	(0.0018 + 0.00086E - 0.000190E^2) mV
			From 2.4006 mV less than 14.6287 mV (From 300 ºC less than 1300 ºC)	(0.0024 + 0.00016E - 0.000003E^2) mV
			From 14.6287 mV up to 21.0892 mV (From 1300 ºC up to 1767 ºC)	(-0.0018 + 0.00071E - 0.000021E^2) mV
		Thermocouple S, with Reference Junction	From 0.0000 mV less than 2.3230 mV (From 0 ºC less than 300 ºC)	(0.0029 + 0.00130E - 0.000270E^2) mV
			From 2.3230 mV less than 13.1591 mV (From 300 ºC less than 1300 ºC)	(0.0040 + 0.00020E - 0.000005E^2) mV
			From 13.1591 mV up to 18.6822 mV (From 1300 ºC up to 1767 ºC)	(-0.0042 + 0.00140E - 0.000048E^2) mV
		Thermocouple S, without Reference Junction	From 0.0000 mV less than 2.3230 mV (From 0 ºC less than 300 ºC)	(0.0018 + 0.00071E - 0.000150E^2) mV
			From 2.3230 mV less than 13.1591 mV (From 300 ºC less than 1300 ºC)	(0.0024 + 0.00012E - 0.000002E^2) mV
			From 13.1591 mV up to 18.6822 mV (From 1300 ºC up to 1767 ºC)	(-0.0038 + 0.00100E - 0.000033E^2) mV
		Thermocouple T, with Reference Junction	From -6.1804 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0180 + 0.00035E - 0.000250E^2) mV
			From 0.0000 mV up to 20.8720 mV (From 0 ºC up to 400 ºC)	(0.0189 + 0.00063E - 0.000010E^2) mV
		Thermocouple T, without Reference Junction	From -6.1804 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0109 + 0.00023E - 0.000120E^2) mV
			From 0.0000 mV up to 20.8720 mV (From 0 ºC up to 400 ºC)	(0.0109 + 0.00046E - 0.000009E^2) mV
		Resistance thermometer Sensor	From 18.52 Ω up to 390.48 Ω (From -200 ℃ up to 850 ℃)	60 $R \times 10^{-6}$ + 0.0002 Ω

#All Calibration Procedures are in-house procedures developed by this laboratory.

Permanent Laboratory/On-site Calibration: On-site Calibration
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range		Expanded Uncertainty (Level of Confidence Approximately 95 %)
Direct Current & Low Frequency Measuring Equipment, etc.	DC Voltage Source	From 100 mV up to 1 V		52 $V_x \times 10^{-6}$ + 7.0 μV
		More than 1 V up to 10 V		40 $V_x \times 10^{-6}$ + 60 μV
		More than 10 V up to 100 V		50 $V_x \times 10^{-6}$ + 700 μV
	DC Voltage Measuring Equipment	More than 100 mV less than 300 mV		75 $V_x \times 10^{-6}$ + 4.5 μV
		More than 300 mV up to 1 V		90 ppm
		More than 1 V less than 3 V		75 $V_x \times 10^{-6}$ + 55 μV
		More than 3 V up to 15 V		90 ppm
	Direct Current Source	From 1 mA up to 4 mA		60 $I_x \times 10^{-6}$ + 0.02 μA
		More than 4 mA up to 22 mA		50 $I_x \times 10^{-6}$ + 0.2 μA
		More than 22 mA up to 30 mA		110 $I_x \times 10^{-6}$ + 6.0 μA
		More than 30 mA up to 100 mA		120 $I_x \times 10^{-6}$ + 20 μA
	Direct Current Measuring Equipment	From 1 mA up to 4 mA		50 $I_x \times 10^{-6}$ + 0.05 μA
		More than 4 mA up to 22 mA		50 $I_x \times 10^{-6}$ + 0.2 μA
	Temperature Indicator	Thermocouple B, with Reference Junction	From 1.7919 mV up to 13.8203 mV (From 600 ºC up to 1820 ºC)	(0.0120 + 0.00387E - 0.000168E^2) mV
		Thermocouple B, without Reference Junction	From 1.7919 mV up to 13.8203 mV (From 600 ºC up to 1820 ºC)	(0.0027 + 0.00032E - 0.000013E^2) mV
		Thermocouple E, with Reference Junction	From -9.7184 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0350 + 0.00010E - 0.000240E^2) mV
			From 0.0000 mV less than 37.0054 mV (From 0 ºC less than 500 ºC)	(0.0340 + 0.00066E - 0.000009E^2) mV
			From 37.0054 mV up to 76.3728 mV (From 500 ºC up to 1000 ºC)	(0.0500 - 0.00009E) mV
		Thermocouple E, without Reference Junction	From -9.7184 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	(0.0180 - 0.000110E^2) mV
			From 0.0000 mV less than 37.0054 mV (From 0 ºC less than 500 ºC)	(0.0180 + 0.00028E - 0.000004E^2) mV
			From 37.0054 mV up to 76.3728 mV (From 500 ºC up to 1000 ºC)	(0.0240 - 0.00003E) mV
		Thermocouple J, with Reference Junction	From -8.0954 mV less than 0.0000 mV (From -210 ºC less than 0 ºC)	(0.0310 + 0.00015E - 0.000250E^2) mV
			From 0.0000 mV less than 45.4944 mV (From 0 ºC less than 800 ºC)	(0.0305 + 0.00013E) mV
			From 45.4944 mV up to 69.5532 mV (From 800 ºC up to 1200 ºC)	(0.0450 - 0.00018E) mV
		Thermocouple J, without Reference Junction	From -8.0954 mV less than 0.0000 mV (From -210 ºC less than 0 ºC)	(0.0150 + 0.00002E - 0.000110E^2) mV
			From 0.0000 mV less than 45.4944 mV (From 0 ºC less than 800 ºC)	(0.0150 + 0.00007E) mV
			From 45.4944 mV up to 69.5532 mV (From 800 ºC up to 1200 ºC)	(0.0210 - 0.00006E) mV

Direct Current & Low Frequency Measuring Equipment, etc.	Temperature Indicator	Thermocouple K, with Reference Junction	From -5.8914 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0240 + 0.00065E - 0.000260E^2) mV
			From 0.0000 mV less than 29.1290 mV (From 0 ºC less than 700 ºC)	(0.0235 + 0.00003E) mV
			From 29.1290 mV up to 54.8864 mV (From 700 ºC up to 1372 ºC)	(0.0290 - 0.00016E) mV
		Thermocouple K, without Reference Junction	From -5.8914 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0123 + 0.00030E - 0.000110E^2) mV
			From 0.0000 mV less than 29.1290 mV (From 0 ºC less than 700 ºC)	(0.0120 + 0.00002E) mV
			From 29.1290 mV up to 54.8864 mV (From 700 ºC up to 1372 ºC)	(0.0145 - 0.00007E) mV
		Thermocouple N, with Reference Junction	From -3.9904 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0167 + 0.00044E - 0.000440E^2) mV
			From 0.0000 mV less than 32.3713 mV (From 0 ºC less than 900 ºC)	(0.0165 + 0.00060E - 0.000012E^2) mV
			From 32.3713 mV up to 47.5128 mV (From 900 ºC up to 1300 ºC)	(0.0260 - 0.00010E) mV
		Thermocouple N, without Reference Junction	From -3.9904 mV less than 0.0000 mV (From -200 ºC less than 0 ºC)	(0.0095 + 0.00025E - 0.000200E^2) mV
			From 0.0000 mV less than 32.3713 mV (From 0 ºC less than 900 ºC)	(0.0095 + 0.00033E - 0.000007E^2) mV
			From 32.3713 mV up to 47.5128 mV (From 900 ºC up to 1300 ºC)	(0.0167 - 0.00012E) mV
		Thermocouple R, with Reference Junction	From 0.0000 mV less than 2.4006 mV (From 0 ºC less than 300 ºC)	(0.0160 + 0.01140E - 0.002720E^2) mV
			From 2.4006 mV less than 14.6287 mV (From 300 ºC less than 1300 ºC)	(0.0250 + 0.00176E - 0.000044E^2) mV
			From 14.6287 mV up to 21.0892 mV (From 1300 ºC up to 1767 ºC)	(-0.0240 + 0.00800E - 0.000240E^2) mV
		Thermocouple R, without Reference Junction	From 0.0000 mV less than 2.4006 mV (From 0 ºC less than 300 ºC)	(0.0032 + 0.00112E - 0.000283E^2) mV
			From 2.4006 mV less than 14.6287 mV (From 300 ºC less than 1300 ºC)	(0.0038 + 0.00022E - 0.000005E^2) mV
			From 14.6287 mV up to 21.0892 mV (From 1300 ºC up to 1767 ºC)	(-0.0023 + 0.00100E - 0.000030E^2) mV
		Thermocouple S, with Reference Junction	From 0.0000 mV less than 2.3230 mV (From 0 ºC less than 300 ºC)	(0.0170 + 0.01040E - 0.002700E^2) mV
			From 2.3230 mV less than 13.1591 mV (From 300 ºC less than 1300 ºC)	(0.0240 + 0.00143E - 0.000041E^2) mV
			From 13.1591 mV up to 18.6822 mV (From 1300 ºC up to 1767 ºC)	(-0.0705 + 0.01390E - 0.000450E^2) mV
		Thermocouple S, without Reference Junction	From 0.0000 mV less than 2.3230 mV (From 0 ºC less than 300 ºC)	(0.0032 + 0.00150E - 0.000500E^2) mV
			From 2.3230 mV less than 13.1591 mV (From 300 ºC less than 1300 ºC)	(0.0037 + 0.00018E - 0.000005E^2) mV
			From 13.1591 mV up to 18.6822 mV (From 1300 ºC up to 1767 ºC)	(-0.0072 + 0.00163E - 0.000053E^2) mV

Direct Current & Low Frequency Measuring Equipment, etc.	Temperature Indicator	Thermocouple T, with Reference Junction	From -6.1804 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	$(0.0230 + 0.00100E - 0.000180E^2)$ mV
			From 0.0000 mV up to 20.8720 mV (From 0 ºC up to 400 ºC)	$(0.0230 + 0.00100E - 0.000020E^2)$ mV
		Thermocouple T, without Reference Junction	From -6.1804 mV less than 0.0000 mV (From -250 ºC less than 0 ºC)	$(0.0120 + 0.00047E - 0.000062E^2)$ mV
			From 0.0000 mV up to 20.8720 mV (From 0 ºC up to 400 ºC)	$(0.0115 + 0.00046E - 0.000009E^2)$ mV
		Resistance thermometer Sensor	From 18.52 Ω up to 390.48 Ω (From -200 ℃ up to 850 ℃)	$80\ R \times 10^{-6} + 0.0003$ Ω

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Pressure

Date of Initial Accreditation of the Field: 2007-10-01

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range			Expanded Uncertainty (Level of Confidence Approximately 95 %)
Pressure Gauge	Pressure Balance	Gas	Gauge Pressure	From 23 kPa up to 353 kPa	28 ppm or 0.7 Pa, whichever is larger
				More than 353 kPa up to 7 000 kPa	32 ppm or 16 Pa, whichever is larger
		Liquid	Gauge Pressure	From 1 MPa up to 100 MPa	48 ppm or 350 Pa, whichever is larger
	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas	Absolute Pressure	From 13 kPa up to 453 kPa	35 ppm or 2.5 Pa, whichever is larger
				More than 453 kPa up to 7 000 kPa	40 ppm or 22 Pa, whichever is larger
			Gauge Pressure	From 13 kPa up to 353 kPa	31 ppm or 1.0 Pa, whichever is larger
				More than 353 kPa up to 7 000 kPa	35 ppm or 17 Pa, whichever is larger
		Liquid	Absolute Pressure	From 1.1 MPa up to 100 MPa	50 ppm or 350 Pa whichever is larger
			Gauge Pressure	From 1 MPa up to 100 MPa	50 ppm or 350 Pa whichever is larger
Vacuum Gauge	Vacuum Gauge	From 10 Pa up to 40 Pa			0.20 %
		More than 40 Pa up to 133.32 Pa			$0.12\ P \times 10^{-2} + 0.010$ Pa
		More than 133.32 Pa up to 1.3332 kPa			$0.085\ P \times 10^{-2} + 0.15$ Pa
		More than 1.3332 kPa up to 13.332 kPa			$0.060\ P \times 10^{-2} + 1.5$ Pa
		More than 13.332 kPa up to 133.32 kPa			$0.010\ P \times 10^{-2} + 10$ Pa

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Humidity

Date of Initial Accreditation of the Field: 2007-10-01

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated			Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Humidity Measuring Instrument, etc.	Dew point hygrometer	Optical Dew point Hygrometers	Frost point From -50 ºC less than -30 ºC	Frost point 0.20 ºC
			Frost point From -30 ºC up to -10 ºC	Frost point 0.14 ºC
			Dew point From -10 ºC up to 40 ºC	Dew point 0.12 ºC
			Dew point More than 40 ºC up to 85 ºC	Dew point 0.20 ºC
			Relative humidity from 10 % up to 50 % at calibration temperature from 10 ºC less than 20 ºC where dew point is from -10 ºC	Relative humidity 0.80 %
			Relative humidity more than 50 % up to 90 % at calibration temperature from 10 ºC less than 20 ºC	Relative humidity 1.20 %
			Relative humidity from 10 % up to 50 % at calibration temperature from 20 ºC up to 25 ºC where dew point is from -10 ºC	Relative humidity 0.60 %
			Relative humidity more than 50 % up to 90 % at calibration temperature from 20 ºC up to 25 ºC	Relative humidity 0.90 %
			Relative humidity from 10 % up to 50 % at calibration temperature more than 25 ºC up to 40 ºC	Relative humidity 0.80 %
			Relative humidity more than 50 % up to 90 % at calibration temperature more than 25 ºC up to 40 ºC	Relative humidity 1.2 %
		Capacitive Hygrometers	Frost point From -50 ºC up to -10 ºC	Frost point 0.80 ºC
	Electronic Hygrometer		Relative humidity from 10 % up to 50 % at calibration temperature from 10 ºC less than 20 ºC where dew point is from -10 ºC	Relative humidity 0.80 %
			Relative humidity more than 50 % up to 90 % at calibration temperature from 10 ºC less than 20 ºC	Relative humidity 1.2 %
			Relative humidity from 10 % up to 50 % at calibration temperature from 20 ºC up to 25 ºC where dew point is from -10 ºC	Relative humidity 0.60 %
			Relative humidity more than 50 % up to 90 % at calibration temperature from 20 ºC up to 25 ºC	Relative humidity 0.90 %
			Relative humidity from 10 % up to 50 % at calibration temperature more than 25 ºC up to 40 ºC	Relative humidity 0.80 %

Humidity Measuring Instrument, etc.	Electronic Hygrometer	Relative humidity more than 50 % up to 90 % at calibration temperature more than 25 °C up to 40 °C	Relative humidity 1.2 %
		Dew point from -10 °C at calibration temperature from 10 °C less than 20 °C where Relative humidity from 10 % up to 90 %	Dew point 0.30 °C
		Dew point from -10 °C less than 0 °C at calibration temperature from 20 °C up to 25 °C where Relative humidity from 10 %	Dew point 0.30 °C
		Dew point from 0 °C at calibration temperature from 20 °C up to 25 °C where Relative humidity up to 90 %	Dew point 0.20 °C
		Dew point from -10 °C up to 38.1 °C at calibration temperature more than 25 °C up to 40 °C where Relative humidity from 10 % up to 90 %	Dew point 0.30 °C

#All Calibration Procedures are in-house procedures developed by this laboratory.

Permanent Laboratory/On-site Calibration: On-site Calibration

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Humidity Measuring Instrument, etc.	Electronic Hygrometer	Relative humidity from 10 % up to 90 % at calibration temperature from 10 °C up to 40 °C where dew point is from -10 °C	Relative humidity 2.0 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Time & Frequency & Rotational speed

Date of Initial Accreditation of the Field: 2019-10-10

Permanent Laboratory/On-site Calibration: Laboratory's permanent facility

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Time & Frequency Counter, etc.	Frequency Standard	1 MHz, 5 MHz, 10 MHz	4.0×10^{-11}
	Frequency Generator	1 MHz, 5 MHz, 10 MHz	4.0×10^{-11}
	Frequency Counter	1 MHz, 5 MHz, 10 MHz	4.0×10^{-11}

#All Calibration Procedures are in-house procedures developed by this laboratory.

General Field of Calibration: Time & Frequency & Rotational speed

Date of Initial Accreditation of the Field: 2019-10-10

Permanent Laboratory/On-site Calibration: Non-Permanent Laboratory (Remote Calibration)

Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range	Service Area (Baseline)	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Time & Frequency Counter, etc.	Frequency Standard	10 MHz	Up to 50 km	4.0×10^{-6} Hz
			More than 50 km up to 500 km	4.0×10^{-6} Hz
			More than 500 km up to 1600 km	7.0×10^{-6} Hz

#All Calibration Procedures are in-house procedures developed by this laboratory.