

CERTIFICATE OF ACCREDITATION



TechRentals NZ

Client Number 1658

10/11/20

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Authorised Representative

Mr Mauray Ganter
Laboratory Manager

Programme

Metrology & Calibration Laboratory

Accreditation Number 572

Initial Accreditation Date 21 July 1995

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

- 5.28 Flow Measuring Devices
- 5.31 Volumetric Equipment
- 5.42 Differential Pressure Measuring Devices (including Manometers)
- 5.61 Temperature Measuring Equipment
- 5.88 Calibrators for Instrumentation
- 5.89 Indicating Instruments and Recording Instruments
- 5.91 Frequency Measurement and Time Measurement
- 5.93 Signal Sources

Approved Signatories

Mr Mauray Ganter	5.28, 5.31, 5.42, 5.61, 5.88, 5.89, 5.91, 5.93
Mr John He	5.28, 5.31, 5.42, 5.61, 5.88, 5.89, 5.91, 5.93

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Calibration temperature 20 °C to 25 °C and relative humidity 50% to 60%.

Calibration and Measurement Capabilities (CMC) are expressed as an expanded uncertainty with a level of confidence of approximately 95 % (k = 2) ^{Note1}.

Measurement results are traceable to the International System of Units (SI) via an unbroken chain of comparisons to the New Zealand National Standards or to the National Standards of other Signatories to the CIPM MRA.

Calibrations are performed at the premises of the accredited laboratory.

5.28 Flow Measuring Devices

By comparison with reference instrument to an in-house method based on manufacturer recommendations and/or customer requirements using a wind tunnel.

(a)	Anemometers	CMC Uncertainty
	Vane type	
	0.25 m/s to 0.5 m/s	0.031 m/s*
	0.5 m/s to 0.7 m/s	0.04 m/s
	0.7 m/s to 4.5 m/s	0.06 m/s
	4.5 m/s to 18.5 m/s	0.07 m/s to 0.19 m/s*
	Hot wire type	
	0.2 m/s to 17 m/s	0.02 m/s to 0.12 m/s*
	*increasing approximately linearly with increasing measurand	
(l)	Other devices – Pitot tubes	
	Standard types (1.0 m/s to 17 m/s)	0.07 m/s or 1.6 % of reading
	Type S (1.0 m/s to 17 m/s)	whichever is greater

5.31 Volumetric Equipment

By comparison with reference instrument to an in-house method based on manufacturer recommendations and/or customer requirements using a wind tunnel.

(b)	Air samplers relating to (ISO/CD 14698-1)	CMC Uncertainty
	Nominal 100 L/min	1.1 L

5.42 Differential Pressure Measuring Devices (including liquid incline manometers)

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By comparison with reference calibrator to an in-house method based on manufacturer recommendations and/or customer requirements.

- (a) Diaphragm types
- (b) Liquid column types
- (c) Other types including transducers and transmitters

Range	CMC Uncertainty
0.05 Pa to 2000 Pa	0.014 % + 0.08 Pa
> 2000 Pa to < 2242 Pa	0.9 Pa

5.61 Temperature Measuring Equipment

(including temperature calibration of electronic and glass thermometers)

- (a) Rare metal thermocouples
- (b) Base metal thermocouples
- (c) Platinum (and other metallic) resistance thermometers
- (e) Thermistors and other semi-conductor thermometers
- (k) Vapour pressure thermometers
- (l) Filled metal systems
- (m) Bimetallic systems
- (o) Indicators, recorders and controllers
- (p) Other direct reading temperature measuring equipment

By comparison with reference instruments in a dry block calibrator to an in-house method based on manufacturer recommendations and/or customer requirements.

Temperature	CMC Uncertainty
-27 °C to -20 °C	0.12 °C
-19 °C to -12 °C	0.09 °C
-11 °C to -5 °C	0.06 °C
-4 °C to 0 °C	0.04 °C
Ice point	0.01 °C
0 °C to 14 °C	0.03 °C
15 °C to 124 °C	0.02 °C

Indicators, recorders, and controllers by electrical simulation using a multifunction calibrator

Type	Range °C	CMC Uncertainty
Rare metal thermocouples	Type B	
	+600 to +800	1.2 °C
	+800 to +1000	1.0 °C
	+1000 to +1550	0.81 °C
	+1550 to +1820	0.74 °C
Type R	0 to +250	1.1 °C
	+250 to +400	0.87 °C

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	+400 to +1000	0.77 °C
	+1000 to +1767	0.67 °C
Type S	0 to +250	1.2 °C
	+250 to +1000	0.87 °C
	+1000 to +1400	0.73 °C
	1400 °C to 1767 °C	0.63 °C
Base Metal Thermocouples		
Type C	0 to +150	0.58 °C
	+150 to +650	0.46 °C
	+650 to +1000	0.45 °C
	+1000 °C to +1800	0.54 °C
	+1800 to +2316	0.74 °C
Type E	-250 to -100	0.33 °C
	-100 to -25	0.17 °C
	-25 to +350	0.12 °C
	+350 to +650	0.11 °C
	+650 to +1000	0.12 °C
Type J	-210 to -100	0.22 °C
	-100 to -30	0.19 °C
	-30 to +150	0.11 °C
	+150 to +760	0.15 °C
	+760 to +1200	0.15 °C
Type K	-200 to -100	0.37 °C
	-100 to -25	0.25 °C
	-25 to +120	0.32 °C
	+120 to +1000	0.21 °C
	+1000 to +1372	0.24 °C
Type L	-200 to -100	0.16 °C
	-100 to +800	0.17 °C
	+800 to +900	0.15 °C
Type N	-200 to -100	0.59 °C
	-100 to -25	0.33 °C
	-25 to +120	0.31 °C
	+120 to +410	0.25 °C
	+410 to +1300	0.23 °C
Type T	-250 to -150	0.56 °C
	-150 to 0	0.28 °C
	0 to +120	0.20 °C
	+120 to +400	0.15 °C
Type U	-200 to 0	0.30 °C
	0 to +600	0.15 °C
Platinum (and other metallic) resistance thermometers (Source 3W or 4W)		
Pt 385 100 Ω	-200 to -80	0.007 °C – 0.015 °C
	-80 to 0	0.015 °C – 0.02 °C

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	0 to +100	0.02 °C – 0.03 °C
	+100 to +300	0.03 °C – 0.05 °C
	+300 to +400	0.05 °C – 0.06 °C
	+400 to +630	0.06 °C – 0.08 °C
	+630 to +800	0.08 °C – 0.09 °C
Pt 385 1000 Ω	-200 to -80	0.007 °C – 0.015 °C
	-80 to 0	0.015 °C – 0.018 °C
	0 to +100	0.018 °C – 0.03 °C
	+100 to +260	0.03 °C – 0.04 °C
	+260 to +300	0.04 °C – 0.05 °C
	+300 to +400	0.04 °C – 0.05 °C
	+400 to +600	0.05 °C – 0.07 °C
	+600 to +630	0.07 °C – 0.08 °C
Pt 3916 Ω	-200 to -190	0.007 °C
	-190 to -80	0.007 °C – 0.015 °C
	-80 to 0	0.015 °C – 0.02 °C
	0 to +100	0.02 °C – 0.03 °C
	+100 to +260	0.03 °C – 0.04 °C
	+260 to +300	0.04 °C – 0.05 °C
	+300 to +400	0.05 °C
	+400 to +600	0.05 °C – 0.07 °C
Pt 3926 Ω	+600 to +630	0.07 °C
	-200 to -80	0.007 °C – 0.015 °C
	-80 to 0	0.015 °C – 0.02 °C
	0 to +100	0.02 °C – 0.03 °C
	+100 to +300	0.03 °C – 0.05 °C
	+300 to +400	0.05 °C
	+400 to +630	0.05 °C – 0.07 °C
	PtNi 385 120 Ω (Ni120)	-80 to 0
	0 to +100	0.008 °C – 0.017 °C
	+100 to +260	0.017 °C – 0.012 °C

5.88 Calibrators for Instrumentation

By comparison with reference instrument to an in-house method based on manufacturer recommendations and/or customer requirements. Note that CMC Uncertainties only include reference device uncertainties and reported measurement uncertainty for a customer’s calibrator is likely to be larger.

(a)	DC voltage	CMC Uncertainty
	± 10 µV to 200 mV	5 ppm + 2 ppm of range
	± 0.2 V to 2 V	3.5 ppm % + 0.5 ppm of range
	± 2 V to 20 V	3.5 ppm + 2 ppm of range

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	± 20 V to 200 V	5.5 ppm + 0.2 ppm of range
	± 200 V to 1050 V	5.5 ppm + 3 ppm of range
(b)	AC voltage	
	Range	Frequency (Hz)
	200 mV	20 to 57 57 to 1 k 1 k to 3 k 3 k to 10 k 10 k to 30 k 30 k to 60 k 60 k to 100 k
		140 ppm + 70 ppm of range 115 ppm + 20 ppm of range 135 ppm + 20 ppm of range 135 ppm + 20 ppm of range 340 ppm + 20 ppm of range 340 ppm + 40 ppm of range 765 ppm + 100 ppm of range
	2 V	20 to 57 57 to 1 k 1 k to 3 k 3 k to 10 k 10 k to 30 k 30 k to 60 k 60 k to 100 k 100 k to 500 k 500 k to 1 M
		115 ppm + 12 ppm of range 90 ppm + 12 ppm of range 100 ppm + 10 ppm of range 200 ppm + 15 ppm of range 220 ppm + 15 ppm of range 400 ppm + 70 ppm of range 900 ppm + 5500 ppm of range 1 % + 1 % of range 1 % + 1 % of range
	20 V	20 to 57 57 to 1 k 1 k to 3 k 3 k to 10 k 10 k to 30 k 30 k to 60 k 60 k to 100 k 100 k to 500 k 500 k to 1 M
		90 ppm + 37 ppm of range 100 ppm + 10 ppm of range 90 ppm + 10 ppm of range 110 ppm + 10 ppm of range 150 ppm + 15 ppm of range 350 ppm + 75 ppm of range 900 ppm + 900 ppm of range 1 % + 1 % of range 1 % + 1 % of range
	200 V	20 to 57 57 to 1 k 1 k to 3 k 3 k to 10 k 10 k to 30 k 30 k to 60 k 60 k to 100 k
		100 ppm + 350 ppm of range 90 ppm + 300 ppm of range 90 ppm + 12 ppm of range 110 ppm + 12 ppm of range 150 ppm + 15 ppm of range 350 ppm + 75 ppm of range 570 ppm + 100 ppm of range
	1000 V	57 to 1 k 1 k to 3 k 3 k to 10 k 10 k to 30 k
		115 ppm + 0.6 % of range 115 ppm + 75 ppm of range 115 ppm + 39 ppm of range 180 ppm + 2% of range
(c)	DC current	

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Range	
± 200 µA	12 ppm + 4 ppm of range
± 2 mA	12 ppm + 4 ppm of range
± 20 mA	14 ppm + 65 ppm of range
± 200 mA	48 ppm + 70 ppm of range
± 2 A	185 ppm + 300 ppm of range
± 20 A	400 ppm + 900 ppm of range

(d) AC current

Range	Frequency (Hz)	
200 µA	10 to 305	500 ppm + 100 ppm of range
	305 to 1 k	500 ppm + 100 ppm of range
	1 k to 3 k	500 ppm + 100 ppm of range
	3 k to 5 k	500 ppm + 100 ppm of range
	5 k to 10 k	500 ppm + 100 ppm of range
2 mA	10 to 305	310 ppm + 100 ppm of range
	305 to 1 k	300 ppm + 100 ppm of range
	1 k to 3 k	300 ppm + 100 ppm of range
	3 k to 5 k	300 ppm + 100 ppm of range
	5 k to 10 k	700 ppm + 200 ppm of range
20 mA	10 to 305	300 ppm + 100 ppm of range
	305 to 1 k	300 ppm + 100 ppm of range
	1 k to 3 k	300 ppm + 100 ppm of range
	3 k to 5 k	300 ppm + 100 ppm of range
	5 k to 10 k	700 ppm + 200 ppm of range
200 mA	10 to 305	300 ppm + 100 ppm of range
	305 to 1 k	290 ppm + 100 ppm of range
	1 k to 3 k	290 ppm + 100 ppm of range
	3 k to 5 k	290 ppm + 100 ppm of range
	5 k to 10 k	0.5 % + 200 ppm of range
2 A	10 to 305	620 ppm + 350 ppm of range
	305 to 1 k	620 ppm + 100 ppm of range
	1 k to 3 k	700 ppm + 100 ppm of range
	3 k to 5 k	730 ppm + 100 ppm of range
	5 k to 10 k	0.2 % + 100 ppm of range
20 A	10 to 305	820 ppm + 200 ppm of range
	305 to 1 k	820 ppm + 200 ppm of range
	1 k to 3 k	1500 ppm + 200 ppm of range
	3 k to 5 k	0.25 % + 210 ppm of range
	5 k to 10 k	0.25 % + 500 ppm of range

(e) Resistance

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Range (Normal)	Connection	
2 Ω	4W	17 ppm + 4 pm of range
20 Ω	4W	10 ppm + 1.5 pm of range
200 Ω	4W	8 ppm + 17 pm of range
2 kΩ	4W	8 ppm + 1 pm of range
20 kΩ	4W	8 ppm + 1 pm of range
200 kΩ	4W	8 ppm + 1 pm of range
2 MΩ	4W	9 ppm + 14 pm of range
20 MΩ	2W	20 ppm + 790 pm of range
200 MΩ	2W	120 ppm + 0.4 % of range
2 GΩ	2W	0.15 % + 3.7 % of range
Range (Lo Current Mode)		
2 Ω	4W	17 ppm + 3 pm of range
20 Ω	4W	10 ppm + 2 pm of range
200 Ω	4W	8 ppm + 1 pm of range
2 kΩ	4W	8 ppm + 1 pm of range
20 kΩ	4W	8 ppm + 1 pm of range
200 kΩ	4W	8 ppm + 2 pm of range
Range (High Voltage Mode)		
20 MΩ	2W	17 ppm + 62 ppm of range
200 MΩ	2W	65 ppm + 60 ppm of range
2 GΩ	2W	180 ppm + 1% of range
20 GΩ	2W	1500 ppm + 1% of range

5.89 Indicating Instruments and Recording Instruments

By comparison with reference calibrator to an in-house method based on manufacturer recommendations and/or customer requirements.

(a) DC voltmeters

Voltage range	CMC Uncertainty
0 V to ± 329.9999 mV	0.005% + 7 μV
0 V to ± 3.299999 V	0.004% + 32 μV
0V to ± 32.99999 V	0.004% + 270 μV
30V to ± 329.9999 V	0.004% + 3.8 mV
330V to ± 1020.000 V	0.004% + 14 mV

(b) AC voltmeters

Voltage range	Frequency (Hz)	
1.0 mV to 32.999 mV	9.5 to 10	0.12 % + 40 μV
	10 to 57	0.09 % + 24 μV
	57 to 1 k	0.08 % + 22 μV
	1 k to 10 k	0.11 % + 22 μV

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33 mV to 329.999 mV	10 k to 20 k	0.13 % + 22 µV
	20 k to 50 k	0.16 % + 32 µV
	50 k to 100 k	0.22 % + 57 µV
	100 k to 450 k	0.53 % + 110 µV
	9.5 to 10	0.04 % + 180 µV
	10 to 57	0.04 % + 75 µV
	57 to 1 k	0.03 % + 38 µV
	1 k to 10 k	0.02 % + 68 µV
	10 k to 20 k	0.03 % + 57 µV
	20 k to 50 k	0.06 % + 88 µV
0.33 V to 3.29999 V	50 k to 100 k	0.13 % + 140 µV
	100 k to 500 k	0.28 % + 260 µV
	9.5 to 10	0.04 % + 2.2 mV
	10 to 57	0.04 % + 600 µV
	57 to 1 k	0.03 % + 230 µV
	1 k to 10 k	0.02 % + 250 µV
	10 k to 20 k	0.03 % + 250 µV
	20 k to 50 k	0.05 % + 250 µV
	50 k to 100 k	0.13 % + 830 µV
	100 k to 450 k	0.28 % + 1.1 mV
3.3 V to 32.9999 V	9.5 to 10	0.04 % + 24 mV
	10 to 57	0.04 % + 5.2 mV
	57 to 1 k	0.03 % + 3.4 mV
	1 k to 10 k	0.02 % + 4.6 mV
	10 k to 20 k	0.04 % + 6.5 mV
	20 k to 50 k	0.07 % + 5.4 mV
	50 k to 90 k	0.13 % + 4.5 mV
	33 V to 329.999 V	0.04 % + 16 mV
330 V to 1020 V	1 k to 10 k	0.05 % + 19 mV
	10 k to 18 k	0.06 % + 35 mV
	18 k to 50 k	0.08 % + 48 mV
	50 k to 100 k	0.14 % + 130 mV
	45 to 1 k	0.04 % + 34 mV
(c) DC ammeters (including clamp-on type)	± 0 mA to 3.3 mA	0.01 % + 0.05 µA
	± 3.3 mA to 33 mA	0.01 % + 0.25µA
	± 33 mA to 330 mA	0.01 % + 2.5µA
± 0.33 A to 2.2 A	0.038 % + 44µA	
± 2.2 A to 11 A	0.06 % + 500µA	
± 11 A to 20 A	0.1 % + 750 µA	
DC Clamp meters using the Fluke 50:1 current coil		
± 11 A to 16.5 A	0.51 %	

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	± 16.5 A to 110 A	0.51 %
	± 110 A to 550 A	0.51 %
	± 550 A to 1000 A	0.51 %
(d)	AC ammeters (Including hall effect and toroidal clamp-on type)	
	Current range	Frequency (Hz)
	29 µA to 329.99 µA	10 to 57
		57 to 1 k
		1 k to 5 k
		5 k to 10 k
	0.33 mA to 3.29999 mA	10 to 57
		57 to 1 k
		1 k to 5 k
		5 k to 10 k
	3.3 to 32.9999 mA	10 to 57
		57 to 1 k
		1 k to 5 k
		5 k to 10 k
	33 to 329.999 mA	10 to 20
		20 to 45
		45 to 1 k
		1 k to 5 k
		5 k to 10 k
		10 k to 30 k
	0.33 A to 1.09999 A	10 to 57
		57 to 1 k
		1 k to 5 k
		5 k to 10 k
	1.1 to 2.99999 A	10 to 57
		57 to 1 k
		1 k to 5 k
		5 k to 10 k
	3 to 10.9999 A	500 to 1 k
		1 k to 5 k
	11 to 20.5 A	45 to 65
		65 to 500
		500 to 1 k
		1 k to 5 k
	Toroidal Coil AC Clamp meters using 1:1 current coil	
	0.33 to 3.29999 mA.	10 to 20
		20 to 45
		45 to 1 k

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3.3 to 32.9999 mA	1 k to 5 k	0.25 % + 0.15 µA
	5 k to 10 k	0.63 % + 0.2 µA
	10 k to 30 k	1.24 % + 0.3 µA
33 to 329.999 mA	10 to 20	0.18 % + 0.12 µA
	20 to 45	0.14 % + 0.12 µA
	45 to 1 k	0.13 % + 0.12 µA
	1 k to 5 k	0.18 % + 0.2 µA
	5 k to 10 k	0.40 % + 0.23 µA
0.33 to 1.09999 A	10 k to 30 k	0.78 % + 0.5 µA
	10 to 20	0.17 % + 2 µA
	20 to 45	0.12 % + 2 µA
	45 to 1 k	0.11 % + 2 µA
	1 k to 5 k	0.13 % + 2 µA
	5 k to 10 k	0.18 % + 2.3 µA
1.1 to 2.99999 A	10 k to 30 k	0.33 % + 3.1 µA
	10 to 45	0.17 % + 16 µA
	45 to 1 k	0.11 % + 16 µA
	1 k to 5 k	0.48 % + 16 µA
3 to 10.9999 A	5 k to 10 k	1.9 % + 39 µA
	10 to 45	0.17 % + 78 µA
	45 to 1 k	0.11 % + 78 µA
	1 k to 5 k	0.48 % + 770 µA
11 to 20.5 A	5 k to 10 k	1.9 % + 3.8 mA
	45 to 100	0.11 % + 1.6 mA
	100 to 1 k	0.13 % + 1.6 mA
16.5 A to 500 A	1 k to 5 k	2.3 % + 1.6 mA
	45 to 100	0.14 % + 3.9 mA
	100 to 1 k	0.15 % + 3.9 mA
500 A to 1025 A	1 k to 5 k	2.3 % + 3.9 mA
	Toroidal Coil AC clamp meters using the Fluke 50:1 current coil	
	45 Hz to 440 Hz	0.22 %
45 Hz to 440 Hz	0.27 %	
Rigowsky Coil Clamp meters using the Fluke 50:1 current coil		
16.5 A to 500 A	45 Hz to 440 Hz	0.28 %
500 A to 1025 A	45 Hz to 440 Hz	0.30 %
Hall Effect DC-AC Clamp meters using the Fluke 50:1 current coil		
16.5 A to 500 A	45 Hz to 440 Hz	0.46 %

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	500 A to 1025 A	45 Hz to 440 Hz	0.51 %
(i)	Ohmmeters (Source)		
	Range 2-Wire		
	110 kΩ to 330 kΩ		0.009 % + 2 Ω
	330 kΩ to 1.1 MΩ		0.012 % + 2 Ω
	1.1 MΩ to 3.3 MΩ		0.012 % + 27 Ω
	3.3 MΩ to 11 MΩ		0.05 % + 50 Ω
	11 MΩ to 33 MΩ		0.08 % + 2.5 kΩ
	33 MΩ to 110 MΩ		0.39 % + 3 kΩ
	110 MΩ to 330 MΩ		0.4 % + 100 kΩ
	330 MΩ to 1100 MΩ		1.2 % + 240 kΩ
	Range 4-Wire		
	0.001 Ω to 11 Ω		0.012 % + 0.001 Ω
	11 Ω to 33 Ω		0.012 % + 0.0015 Ω
	33 Ω to 110 Ω		0.007 % + 0.0014 Ω
	110 Ω to 330 Ω		0.007 % + 0.002 Ω
	330 Ω to 1.1 kΩ		0.007 % + 0.002 Ω
	1.1 kΩ to 3.3 kΩ		0.007 % + 0.02 Ω
	3.3 kΩ to 11 kΩ		0.007 % + 0.02 Ω
	11 kΩ to 33 kΩ		0.007 % + 0.2 Ω
	33 kΩ to 110 kΩ		0.009 % + 0.2 Ω
5.91	Frequency Measurement and Time Measurement		
	By comparison with reference instrument to an in-house method based on manufacturer recommendations and/or customer requirements.		
(a)	Frequency meters		CMC Uncertainty
	Frequency	Resolution	
	0.01 Hz to 119.99 Hz	0.01 Hz	20 ppm + 1 mHz
	120.0 Hz to 1199.9 Hz	0.1 Hz	20 ppm + 1 mHz
	1.2 kHz to 11999 kHz	1 Hz	20 ppm + 1 mHz
	12 kHz to 119.99 kHz	10 Hz	20 ppm + 15 mHz
	120.0 kHz to 1199.9 kHz	100 Hz	20 ppm + 15 mHz
	1.2 MHz to 2.000 MHz	1 kHz	20 ppm + 15 mHz
	10 MHz (fixed sine wave)		1.0 mHz
(c)	Counters		
	Period Measurement Square Wave AC Input range (1 mV to 3.3 V, 50 % duty cycle)		
	0.5 μs to 100 s		0.8 % + 100 ns

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- (f) Stroboscopes
- Optical tachometers
- | | |
|-----------------------|---------------------|
| 30 rpm to 8999 rpm | 0.0003 % + 0.03 rpm |
| 9000 rpm to 90000 rpm | 0.0003 % + 0.60 rpm |
- Stroboscopes (specific frequency values)
- | | |
|-----------------|---|
| 1 Hz to 100 kHz | 0.002 Hz to 0.02 Hz (increases with increasing measurand) |
|-----------------|---|

5.93 Signal Sources

By comparison with reference instrument to an in-house method based on manufacturer recommendations and/or customer requirements.

- (e) Other (Signal Generators Frequency) - Square or Sine Wave
 On 100 mV range, frequency must be > 10 Hz if source voltage is < 20 mV

Input Range	Frequency Range	CMC Uncertainty
100 mV to 750 V	3 Hz to 10 Hz	0.005 mHz + 100 ppm
	10 Hz to 20 kHz	0.02 mHz + 100 ppm
	20 kHz to 50 kHz	0.03 mHz + 100 ppm
	50 kHz to 100 kHz	0.05 mHz + 100 ppm
	100 kHz to 500 kHz	0.5 mHz + 100 ppm

Note 1:
 Unless stated otherwise the CMC is based on the performance of the best commercially available device and measurement uncertainties achieved for specific calibrations may be greater than the CMC. A laboratory may not report measurement uncertainties lower than its CMC. However, if the device under calibration has a greater accuracy than the device used to calculate the CMC the laboratory may be able to use the calibration data to lower its CMC. Please contact the laboratory to discuss your specific requirements.

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