



財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No: L2297-260603)

This is to certify that

Measurement Technology Co., Ltd

Calibration Laboratory of Hsinchu Service Department

Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025: 2017; CNS 17025: 2018

Accreditation Number : 2297

Originally Accredited : November 17, 2010

Effective Period : November 18, 2025 to November 17, 2028

Accredited Scope : Calibration Field, see described in the Appendix



Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
June 03, 2026

Accreditation Number : 2297

Laboratory Head : WANG, Jo-Fan

Length

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KA2003 Digimatic Caliper Vernier Caliper Dial Caliper	GAUGE BLOCK SET (KERN/87PCS)	In-house method: Caliper	0	mm	300	mm	Outside (Digimatic) (resolution: 0.01 mm)	0.03	mm
	GAUGE BLOCK SET (Mitutoyo /125-200 mm)	Calibration Procedure (Document No: MT-C-111-009)	0	mm	250	mm	Inside (Digimatic) (resolution: 0.01 mm)	0.03	mm
	CALIPER CHECKER (Mitutoyo/515-550)		0	mm	200	mm	Depth (Digimatic) (resolution: 0.01 mm)	0.03	mm
			0	mm	300	mm	Outside (Vernier) (resolution: 0.02 mm)	0.03	mm
			0	mm	250	mm	Inside (Vernier) (resolution: 0.02 mm)	0.03	mm
			0	mm	200	mm	Depth (Vernier) (resolution: 0.02 mm)	0.03	mm
			0	mm	300	mm	Outside (resolution: 0.02 mm)	0.03	mm
			0	mm	250	mm	Inside (Dial) (resolution: 0.02 mm)	0.03	mm
			0	mm	200	mm	Depth (Dial) (resolution: 0.02 mm)	0.03	mm

Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao

Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KA2010 Dial Indicator Digimatic Indicator Test Indicator	Dial Calibrator (SYLVAC/M3)	In-house method: Calibration Procedure of Dial & Digital Indicator (Document No: MT-C-111-008)	0	mm	25	mm	Digimatic Indicator (resolution: 0.01mm)	0.01	mm
			0	mm	25	mm	Digimatic Indicator (resolution: 0.001mm)	0.004	mm
			0	mm	25	mm	Dial Indicator (resolution: 0.01mm)	0.007	mm
			0	mm	5	mm	Dial Indicator (resolution: 0.001mm)	0.0036	mm
			0	mm	0.8	mm	Test Indicator (resolution: 0.01mm)	0.010	mm
			0	mm	0.2	mm	Test Indicator (resolution: 0.002mm)	0.0035	mm
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KA3016 Electronic Level Meter	Digital Indicator (Sylvac/25mm-0.001/1"-0.00005) Angle Generator (OPUS/OL-301) Angle Generator (GSA ⁺ /CNC-120R)	In-house method: Calibration Procedure for Electronic Level Meter (Document No.: MT-C-95-148)	-0.573	°	+0.573	°	resolution: 0.001°	0.002	°
			-90	°	+90	°	resolution: 0.01°	0.02	°
			-90	°	+90	°	resolution: 0.1°	0.2	°
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KA4006 Measuring Microscope (on-site calibration included)	Standard Ruler Mitutoyo /HL2-200 Standard Ruler OLYMPUS /OB-MM Gauge Block Set KERN/87PCS	In-house method: Calibration Procedure for Microscope (on-site calibration included) (Document No: MT-C-114-001)	0.01	mm	1	mm	Eyepiece scale/stroke of stage (X/Y AXIS)	0.0015	mm
			0.5	mm	200	mm	stroke of stage (X AXIS)	0.005	mm
			0.5	mm	100	mm	stroke of stage (Y AXIS)	0.004	mm
			0.5	mm	10	mm	Z-axis height	0.009	mm
Approval Signatory: WANG, Jo-Fan; LIN, Pao-Cheng; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 216, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C)									

Vibration & Acoustics

ibration & Acoustics

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KB1001 Accelerometer	Standard Accelerometer (PCB/353B33)	In-house method: The Calibration Procedure for Accelerometer (Document No.: MT-C-101-043)		mV/ (m/s ²)		mV/ (m/s ²)	Voltage Sensitivity 3.54 m/s ² (@20 Hz to 40 Hz)	3.5	%
				mV/ (m/s ²)		mV/ (m/s ²)	Voltage Sensitivity 10 m/s ² (@50 Hz to 2000 Hz)	2.7	%
				mV/ (m/s ²)		mV/ (m/s ²)	Voltage Sensitivity 100m/s ² (@3000 Hz to 5000 Hz)	5.3	%
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KB1002 Vibration Meter	Standard Accelerometer (PCB/353B33)	In-house method: The Calibration Procedure for Vibration meter (Document No.: MT-C-101-044)	2	m/s ²	50	m/s ²	Vibration Acceleration: (@20 Hz to 1000 Hz)	5.0	%
			5	mm/s	80	mm/s	Vibration Speed: (@20 Hz to 1000 Hz)	5.2	%
			20	μm	800	μm	Vibration Displacement: (@20 Hz to 200 Hz)	4.8	%
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KB2099 Sonic Belt Tension Meter	Frenquency Counter (AGILENT/53181A) Function/Arbitrary Waveform Generator (AGILENT/33220A)	In-house method: Calibration Procedure for Sonic Belt Tension Meter (Document No.: MT-C-95-083)	10	Hz	<1000	Hz	Resolution: 0.1	0.2	Hz
			1000	Hz	4000	Hz	Resolution: 1	1	Hz
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									



Temperature/Humidity

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KE1006 Digital Temperature Indicator (on-site calibration included)	Calibrator (FLUKE/5500A)	In-house method: TEMPERATURE CALIBRATOR /DISPLAY CALIBRATION PROCEDURE (Document No.: MT-C-100-005)	-200	°C	1350	°C	K Type Thermocouple	0.38	°C
			-200	°C	1200	°C	J Type Thermocouple	0.47	°C
			-200	°C	1000	°C	E Type Thermocouple	0.31	°C
			-200	°C	400	°C	T Type Thermocouple	0.40	°C
			0	°C	1750	°C	R Type Thermocouple	1.9	°C
			0	°C	1750	°C	S Type Thermocouple	1.9	°C
			-100	°C	1300	°C	N Type Thermocouple	0.55	°C
			-100	°C	800	°C	PRT (385, 3916, 3926)	0.84	°C

Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao

KE1009 Temperature Calibrator (on-site calibration included)	Calibrator (FLUKE/5500A)	In-house method: TEMPERATURE CALIBRATOR /DISPLAY CALIBRATION PROCEDURE (Document No.: MT-C-100-005)	-200	°C	1350	°C	K Type Thermocouple (Output)	0.44	°C
			-200	°C	1200	°C	J Type Thermocouple (Output)	0.48	°C
			-200	°C	1000	°C	E Type Thermocouple (Output)	0.30	°C
			-200	°C	400	°C	T Type Thermocouple (Output)	0.42	°C
			0	°C	1750	°C	R Type Thermocouple (Output)	1.7	°C
			0	°C	1750	°C	S Type Thermocouple (Output)	1.8	°C
			-100	°C	1300	°C	N Type Thermocouple (Output)	0.50	°C
			-100	°C	800	°C	PRT (385, 3916, 3926) (Output)	0.42	°C
			-200	°C	1350	°C	K Type Thermocouple (Input)	0.38	°C
			-200	°C	1200	°C	J Type Thermocouple (Input)	0.47	°C
			-200	°C	1000	°C	E Type Thermocouple (Input)	0.31	°C
			-200	°C	400	°C	T Type Thermocouple (Input)	0.40	°C
			0	°C	1750	°C	R Type Thermocouple (Input)	1.9	°C
			0	°C	1750	°C	S Type Thermocouple (Input)	1.9	°C
			-100	°C	1300	°C	N Type Thermocouple (Input)	0.55	°C
			-100	°C	800	°C	PRT (385, 3916, 3926) (Input)	0.84	°C

Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KE1010 Temperature Controlled Chamber (on-site calibration included)	Thermocouple Thermometer ANRITSU /AM-9100K TYPE K	In-house method: Temperature Chamber Calibration Procedure (Document No.: MT-C-113-003)	-20	°C	350	°C		3.0	°C
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KE1099 Surface Thermometer	PLATINUM RESISTANCE THERMOMETER (FLUKE/5618B) Digital Thermometer (FLUKE/1529)	In-house method: SURFACE THERMOMETER CALIBRATION PROCEDURE (Document No: MT-C-96-006)	-20	°C	400	°C		0.5	°C
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KE2005 Temp/Humidity Chamber (on-site calibration included)	Digital Hygrometer rotronic/HL NT3-D /HC2A-IC102	In-house method: Temperature Humidity Chamber Calibration Procedure (Document No.: MT-C-114-002)	15	°C	50	°C		1.5	°C
			40	%	90	%		5.5	%
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 216, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									



Electricity

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KF1001 DCV Source DC Voltmeter (on-site calibration included)	Calibrator (FLUKE/5730A) Multimeter (FLUKE/8588A) Multimeter (KEYSIGHT /34420A)	In-house method: DC VOLTAGE MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-002)	0.1	mV	<1	mV	DC Volt Source	14	mV/V
			1	mV	<10	mV	DC Volt Source	1.5	mV/V
			10	mV	<100	mV	DC Volt Source	0.20	mV/V
			100	mV	1000	V	DC Volt Source	57	μV/V
			1	V	1	V	DC Volt Source	14	μV/V
			10	V	10	V	DC Volt Source	19	μV/V
			100	V	100	V	DC Volt Source	27	μV/V
			1000	V	1000	V	DC Volt Source	28	μV/V
			0.1	mV	<1	mV	DC Volt Meter	11	mV/V
			1	mV	<10	mV	DC Volt Meter	1.4	mV/V
			10	mV	<100	mV	DC Volt Meter	0.93	mV/V
			100	mV	1000	V	DC Volt Meter	0.93	mV/V
			1	V	1	V	DC Volt Meter	11	μV/V
			10	V	10	V	DC Volt Meter	10	μV/V
			100	V	100	V	DC Volt Meter	21	μV/V
			1000	V	1000	V	DC Volt Meter	21	μV/V
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
KF1002 DCA Source DC Ampere meter (on-site calibration included)	Calibrator (FLUKE/5730A) SUB-FEMTOAMP REMOTE SOURCEMETER (KEITHLEY/6430) Multimeter (FLUKE/8588A) Calibrator (FLUKE/5500A)	In-house method: DC CURRENT MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-003)	10	pA	10	pA	DC Current Source	14	mA/A
			100	pA	100	pA	DC Current Source	4.2	mA/A
			1	nA	1	nA	DC Current Source	1.7	mA/A
			10	nA	10	nA	DC Current Source	1.7	mA/A
			100	nA	100	nA	DC Current Source	1.7	mA/A
			1	μA	1	μA	DC Current Source	1.9	mA/A
			10	μA	10	μA	DC Current Source	1.7	mA/A
			100	μA	100	μA	DC Current Source	0.72	mA/A
			>100	μA	2	A	DC Current Source	0.45	mA/A
			>2	A	10	A	DC Current Source	3.2	mA/A
			10	pA	10	pA	DC Current Meter	14	mA/A
			100	pA	100	pA	DC Current Meter	4.2	mA/A



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KF1002 DCA Source DC Ampere meter (on-site calibration included)	Calibrator (FLUKE/5730A) SUB-FEMTOAMP REMOTE SOURCEMETER (KEITHLEY/6430) Multimeter (FLUKE/8588A) Calibrator (FLUKE/5500A)	In-house method: DC CURRENT MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-003)	1	nA	1	nA	DC Current Meter	1.7	mA/A
			10	nA	10	nA	DC Current Meter	1.7	mA/A
			100	nA	100	nA	DC Current Meter	1.7	mA/A
			1	μA	1	μA	DC Current Meter	1.9	mA/A
			10	μA	10	μA	DC Current Meter	1.7	mA/A
			100	μA	100	μA	DC Current Meter	0.72	mA/A
			>100	μA	2	A	DC Current Meter	0.27	mA/A
			>2	A	10	A	DC Current Meter	0.79	mA/A
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
KF1011 ACV Source AC Voltmeter (on-site calibration included)	Calibrator (FLUKE/5730A) Multimeter (FLUKE/8588A)	In-house method: AC VOLTAGE MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-004)	1	mV	<10	mV	AC Volt Source (@60 Hz, 1 kHz)	2.3	mV/V
			10	mV	<100	mV	AC Volt Source (@60 Hz, 1 kHz)	0.94	mV/V
			100	mV	1000	V	AC Volt Source (@60 Hz, 1 kHz)	0.66	mV/V
			1	mV	<10	mV	AC Volt Meter (@60 Hz, 1 kHz)	6.6	mV/V
			10	mV	<100	mV	AC Volt Meter (@60 Hz, 1 kHz)	2.9	mV/V
			100	mV	1000	V	AC Volt Meter (@60 Hz, 1 kHz)	0.43	mV/V
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KF1012 ACA Source AC Ampere meter (on-site calibration included)	Calibrator (FLUKE/5730A) Multimeter (FLUKE/8588A) Calibrator (FLUKE/5500A)	In-house method: AC CURRENT MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-005)	10	μA	2	A	AC Current Source (@60 Hz, 1 kHz)	4.1	mA/A
			>2	A	10	A	AC Current Source (@60 Hz)	7.3	mA/A
			10	μA	2	A	AC Current Meter (@60 Hz, 1 kHz)	4.4	mA/A
			>2	A	10	A	AC Current Meter (@60 Hz)	4.1	mA/A
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
KF3001 Resistor Ohmmeter (on-site calibration included)	Calibrator (FLUKE/5500A) Multimeter (FLUKE/8588A) Multimeter (KEITHLEY/6517B) Resistance Decade Box (IET/HARS-X-3-0.001) Resistance Decade Box (IET/HRRS-B-3-100M) Resistance Decade Box (IET/HRRS-F-3-1G-5kV)	In-house method: DC RESISTANCE MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-006)	1	mΩ	1	mΩ	Resistor	4.8	mΩ/Ω
			10	mΩ	10	mΩ	Resistor	0.59	mΩ/Ω
			100	mΩ	100	mΩ	Resistor	0.27	mΩ/Ω
			1	Ω	1	Ω	Resistor	0.21	mΩ/Ω
			10	Ω	10	Ω	Resistor	34	μΩ/Ω
			100	Ω	100	Ω	Resistor	35	μΩ/Ω
			1	kΩ	1	kΩ	Resistor	33	μΩ/Ω
			10	kΩ	10	kΩ	Resistor	32	μΩ/Ω
			100	kΩ	100	kΩ	Resistor	39	μΩ/Ω
			1	MΩ	1	MΩ	Resistor	56	μΩ/Ω
			10	MΩ	10	MΩ	Resistor	0.13	mΩ/Ω
			100	MΩ	100	MΩ	Resistor	0.44	mΩ/Ω
			1	GΩ	1	GΩ	Resistor	4.5	mΩ/Ω
			10	GΩ	10	GΩ	Resistor	5.4	mΩ/Ω
			100	GΩ	100	GΩ	Resistor	21	mΩ/Ω
			1	mΩ	<10	mΩ	Resistor	4.8	mΩ/Ω
			10	mΩ	<10	Ω	Resistor	0.59	mΩ/Ω
			10	Ω	<100	kΩ	Resistor	35	μΩ/Ω
			100	kΩ	<100	MΩ	Resistor	0.14	mΩ/Ω
			100	MΩ	10	GΩ	Resistor	5.4	mΩ/Ω
			>10	GΩ	100	GΩ	Resistor	21	mΩ/Ω



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KF3001 Resistor Ohmmeter (on-site calibration included)	Calibrator (FLUKE/5500A) Multimeter (FLUKE/8588A) Multimeter (KEITHLEY/6517B) Resistance Decade Box (IET/HARS-X-3-0.001) Resistance Decade Box (IET/HRRS-B-3-100M) Resistance Decade Box (IET/HRRS-F-3-1G-5kV)	In-house method: DC RESISTANCE MEASURING SYSTEM CALIBRATION PROCEDURE (Document No.: MT-C-99-006)	1	mΩ	1	mΩ	Resistance Meter	25	mΩ/Ω
			10	mΩ	10	mΩ	Resistance Meter	25	mΩ/Ω
			100	mΩ	100	mΩ	Resistance Meter	24	mΩ/Ω
			1	Ω	1	Ω	Resistance Meter	9.5	mΩ/Ω
			10	Ω	10	Ω	Resistance Meter	1.1	mΩ/Ω
			100	Ω	100	Ω	Resistance Meter	0.28	mΩ/Ω
			1	kΩ	1	kΩ	Resistance Meter	0.80	mΩ/Ω
			10	kΩ	10	kΩ	Resistance Meter	0.18	mΩ/Ω
			100	kΩ	100	kΩ	Resistance Meter	0.21	mΩ/Ω
			1	MΩ	1	MΩ	Resistance Meter	0.25	mΩ/Ω
			10	MΩ	10	MΩ	Resistance Meter	0.76	mΩ/Ω
			100	MΩ	100	MΩ	Resistance Meter	2.6	mΩ/Ω
			1	GΩ	1	GΩ	Resistance Meter	12	mΩ/Ω
			10	GΩ	10	GΩ	Resistance Meter	16	mΩ/Ω
			100	GΩ	100	GΩ	Resistance Meter	16	mΩ/Ω
			1	mΩ	<10	mΩ	Resistance Meter	25	mΩ/Ω
			10	mΩ	<10	Ω	Resistance Meter	9.5	mΩ/Ω
			10	Ω	<100	kΩ	Resistance Meter	1.1	mΩ/Ω
			100	kΩ	<100	MΩ	Resistance Meter	0.76	mΩ/Ω
			100	MΩ	100	GΩ	Resistance Meter	16	mΩ/Ω
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									



Time And Frequency

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KJ0100 Stopwatch	Rubidium Frequency Standard (SRS/FS-725)	In-house method: STOPWATCH CALIBRATION PROCEDURE (Document No.: MT-C-95-040)	32768	Hz	32768	Hz	Time Base Comparison	1.4 E-05	
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KJ0200 Frequency Counter	Rubidium Frequency Standard (SRS/FS-725)	In-house method: FREQUENCY COUNTER CALIBRATION PROCEDURE (Document No.: MT-C-98-002)	0.1	Hz	6	GHz		4.0 E-09	
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KJ0200 Frequency Source	Rubidium Frequency Standard (SRS/FS-725)	In-house method: FREQUENCY SIGNAL CALIBRATION PROCEDURE (Document No.: MT-C-98-001)	0.1	Hz	6	GHz		2.8 E-09	
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									



calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KJ0300 Rotation Device (on-site calibration included)	Tachometer (HIOKI/FT3406)	In-house method: ROTATION DEVICE CALIBRATION PROCEDURE (Document No.: MT-C-102-032)	30	rpm	14000	rpm	Rotating Speed	2.1	rpm
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									
KJ0300 Tachometer stroboscope	Function Generator (KEYSIGHT/33521B) Frequency Counter (KEYSIGHT/53230A)	In-house method: TACHOMETER CALIBRATION PROCEDURE (Document No.: MT-C-101-057)	6	rpm	600	rpm	Tachometer	0.07	rpm
			>600	rpm	30000	rpm	Tachometer	0.67	rpm
			>30000	rpm	90000	rpm	Tachometer	0.77	rpm
			100	rpm	25000	rpm	Stroboscope	0.77	rpm
Approval Signatory: WANG, Jo-Fan; MA, Chao-Pang; PENG, Chiao									
Calibration Site: 1.Bldg 53, Room 221, 195, Sec.4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.) ; 2.Bldg 53, Room 216, 195, Sec. 4 Chung Hsing Rd., Chutung, Hsinchu, Taiwan (R.O.C.)									

Note: Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.
(Null Below)

