



ACAL-0523-422A

SCOPE OF ACCREDITATION

TRESCORE INDUSTRIAL SOLUTION CORP.

818 Lopez Jaena St., Tipolo, Mandaue City, Cebu

Calibration

Classification of Scopes	Measured quantities/ instrument	Range to be calibrated	Calibration and Measurement Capability (CMC)*	Calibration Method/ Reference Standard
Pressure and Vacuum Measuring Devices				
Pressure Gauge	Pressure Gauge	0 to 15 psi	0.018 psi	TISC-MWI-001 Calibration of Pressure Indicating Device (In-house/Onsite Calibration)
		0 to 30 psi	0.018 psi	
		0 to 1000 psi	1.9 psi	
		0 to 3000 psi	3.4 psi	
		0 to 5000 psi	5.7 psi	
Pressure Transducers/ Transmitter	Pressure Transducers/ Transmitter	0 to 15 psi	0.018 psi	
		0 to 30 psi	0.035 psi	
		0 to 1000 psi	1.9 psi	
		0 to 3000 psi	3.4 psi	
		0 to 5000 psi	5.7 psi	
Pressure Recorders	Pressure Recorders	0 to 15 psi	0.018 psi	
		0 to 30 psi	0.035 psi	
		0 to 1000 psi	1.9 psi	
		0 to 3000 psi	3.4 psi	
		0 to 5000 psi	5.7 psi	
Mercury Manometer	Mercury Manometer	0 to 300 psi	0.035 psi	
Other liquid Manometer	Other liquid Manometer	0 to 300 psi	0.035 psi	
Digital Manometer	Digital Manometer	0 to 300 psi	0.035 psi	
Pressure Control Devices	Pressure Control Devices	0 to 1000 psi	1.9 psi	
		0 to 3000 psi	3.4 psi	
		0 to 5000 psi	5.7 psi	
Pressure Relief Valve	Pressure Relief Valve	0 to 1000 psi	1.9 psi	
Calibration of Ancillary Temperature Measuring Instruments				
Indicator, Recorder, & Controller	Indicator, Recorder, & Controller	Thermocouple -200 to 1800 °C	0.61 °C	TISC-TWI-001 (In-house/Onsite Calibration)
		RTD -200 to 800 °C	0.38 °C	
Temperature Controlled Enclosures				
Ovens, Baths & Incubator	Ovens, Baths & Incubator	-30 to 200 °C	0.43 °C	TISC-TWI-001 (In-house/Onsite Calibration)



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Autoclaves and Sterilizing Ovens	Autoclaves and Sterilizing Ovens	0 to 200 °C	0.43 °C		
Industrial Freezers	Industrial Freezers	-30 to 10 °C	0.43 °C		
Chillers, Refrigerator, Temperature Chamber	Chillers, Refrigerator, Temperature Chamber	-30 to 200 °C	0.43 °C		
Weighing Devices					
Analytical Balance	Analytical Balance	Up to 200 g	0.000081 g	TISC-FWI-001 Onsite Calibration	
Top Loading Balance	Top Loading Balance	Up to 10 kg	0.058g		
Triple Beam Balance	Triple Beam Balance				
Two Pan Balance	Two Pan Balance				
Industrial Balance	Industrial Balance	Up to 500 kg	0.0061 kg		
Electrical Indicating and Recording Instruments					
Digital Multimeters 4 ½ digits	DC Voltage	0 to 100 mV	0.0058 mV	TISC-EWI-001 (In-house/ Onsite Calibration) Based on EURAMET cg-15 Version 3.0 (02/2015)	
		100 mV to 1 V	0.000058 V		
		1 V to 10 V	0.00058 V		
		10 V to 100 V	0.0058 V		
		100 V to 1000 V	0.058 V		
	AC Voltage	50 Hz			
		0 to 100 mV	0.0063 mV		
		100 mV to 1 V	0.000061 V		
		1 V to 10 V	0.00061 V		
		10 V to 100 V	0.0061 V		
		100 V to 1000 V	0.065 V		
	Resistance	0 to 100 Ω	0.0083 Ω		
		100 Ω to 1 kΩ	0.000083 kΩ		
		1 kΩ to 10 kΩ	0.0060 kΩ		
		10 kΩ to 100 kΩ	0.0083 kΩ		
		100 kΩ to 1 MΩ	0.000083 MΩ		
		1 MΩ to 2 MΩ	0.00058 MΩ		
	DC Current	1 μA to 10 μA	0.00058 μA		



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		10 μ A to 100 μ A	0.0058 μ A	TISC-EWI-006 (In-house/Onsite Calibration)	
		100 μ A to 1 mA	0.000058 mA		
		1 mA to 10 mA	0.00058 mA		
		10 mA to 100 mA	0.0058 mA		
		100 mA to 1 A	0.000063 A		
		1 A to 10 A	0.00066 A		
		10 A to 20 A	0.00085 A		
	AC Current	50 Hz			
		1 mA to 10 mA	0.0018 mA		
		10 mA to 100 mA	0.023 mA		
		100 mA to 1 A	0.00017 A		
		1 A to 10 A	0.0017 A		
		10 A to 20 A	0.0069 A		
		AC/DC Voltmeters	DC Voltmeter		0 mV to 100 mV
100 mV to 1 V	0.000058 V				
1 V to 10 V	0.00058 V				
10 V to 100 V	0.0058V				
100 V to 1000 V	0.058 V				
AC Voltmeter	50 Hz				
	0 mV to 100 mV		0.0063 mV		
	100 mV to 1 V		0.000061 V		
	1 V to 10 V		0.00061 V		
	10 V to 100 V		0.0061 V		
Ohmmeters	Ohmmeters	0 Ω to 100 Ω	0.0083 Ω	TISC-EWI-005 (In-house/ Onsite Calibration)	
		100 Ω to 1 k Ω	0.000083 k Ω		
		1 k Ω to 10 k Ω	0.0060 k Ω		
		10 k Ω to 100 k Ω	0.0083 k Ω		
		100 k Ω to 1 M Ω	0.000083 M Ω		
		1 M Ω to 2 M Ω	0.00058 M Ω		
AC/DC Ammeters	DC Ammeters	1 μ A to 10 μ A	0.00058 μ A	TISC-EWI-008 (In-house/ Onsite Calibration)	
		10 μ A to 100 μ A	0.0058 μ A		
		100 μ A to 1 mA	0.000058 mA		
		1 mA to 10 mA	0.00058 mA		
		10 mA to 100 mA	0.0058 mA		



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		100 mA to 1 A	0.000063 A		
		1 A to 10 A	0.00066 A		
		10 A to 20 A	0.00085 A		
	AC Ammeters	50Hz			
		1 mA to 10 mA	0.0018 mA		
		10 mA to 100 mA	0.023 mA		
		100 mA to 1 A	0.00017 A		
		1 A to 10 A	0.0017 A		
	10 A to 20 A	0.0069 A			
AC/DC Clamp Meter	DC Voltage	0 mV to 100 mV	0.0058 mV	TISC-EWI-002 (In-house/Onsite Calibration)	
		100 mV to 1 V	0.000058 V		
		1 V to 10 V	0.00058 V		
		10 V to 100 V	0.0058 V		
		100 V to 1000 V	0.058 V		
	AC Voltage	50 Hz			
		0 mV to 100 mV	0.0063 mV		
		100 mV to 1 V	0.000061 V		
		1 V to 10 V	0.00061 V		
		10 V to 100 V	0.0061 V		
		100 V to 1000 V	0.065 V		
	Resistance	0 Ω to 100 Ω	0.0083 Ω		
		100 Ω to 1 kΩ	0.000083 kΩ		
		1 kΩ to 10 kΩ	0.0060 kΩ		
		10 kΩ to 100 kΩ	0.0083 kΩ		
		100 kΩ to 1 MΩ	0.000083 MΩ		
		1 MΩ to 2 MΩ	0.00058 MΩ		
	DC Current	1 A to 200 A	0.47 A		
		200 A to 600 A	1.7 A		
		600 A to 1000 A	5.8 A		
	AC Current	50 Hz			
		1 A to 200 A	0.47 A		
		200 A to 600 A	1.7 A		
		600 A to 1000 A	5.8 A		
Insulation Tester	DC Voltage	0 mV to 100 mV	0.0058 mV	TISC-EWI-003 (In-house /Onsite)	
		100 mV to 1 V	0.000058 V		



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		1 V to 10 V	0.00058 V	Calibration)	
		10 V to 100 V	0.0058 V		
		100 V to 1000 V	0.058 V		
	AC Voltage	50 Hz			
		0 mV to 100 mV	0.0063 mV		
		100 mV to 1 V	0.000061 V		
		1 V to 10 V	0.00061 V		
		10 V to 100 V	0.0061 V		
		100 V to 1000	0.065 V		
		Resistance	0 Ω to 100 Ω		0.0083 Ω
	100 Ω to 1 kΩ		0.000083 kΩ		
	1 kΩ to 10 kΩ		0.006kΩ		
	10 kΩ to 100 kΩ		0.0083 kΩ		
	100 kΩ to 1 MΩ		0.000083 MΩ		
	1 MΩ to 2 MΩ		0.00058 MΩ		
	Insulation Resistance	1 MΩ	0.0013 MΩ		
		10 MΩ	0.016 MΩ		
100 MΩ		0.16 MΩ			
1 GΩ		0.0026 MΩ			
10 GΩ		0.026 MΩ			
Frequency Meter	Frequency Meter	1 kHz to 5 kHz	0.60 kHz	TISC-EWI-007 (In-house/ Onsite Calibration)	
		5 kHz to 10 kHz	0.60 kHz		
		10 kHz to 50 kHz	0.60 kHz		
		50 kHz to 100 kHz	0.60 kHz		
		100 kHz to 200 kHz	0.60 kHz		
		200 kHz to 1000 kHz	0.60 kHz		
Engineering Metrology Equipment					
Calipers	Vernier Calipers	0 mm to 150 mm	8.0 μm	TISC-DWI-001 (In-house/Onsite Calibration) base on JIS B 7507:2022	
		0 mm to 200 mm	8.5 μm		
		0 mm to 300 mm	11 μm		
	Dial Calipers	0 mm to 150 mm	8.0 μm		
		0 mm to 200 mm	8.5 μm		
		0 mm to 300 mm	11 μm		
	Digital Calipers	0 mm to 150 mm	8.0 μm		



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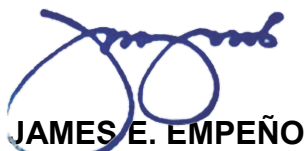
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		0 mm to 200 mm	8.5 μ m	
		0 mm to 300 mm	11 μ m	
Micrometers	External/Outside Micrometer	0 mm to 25 mm	0.9 μ m	TISC-DWI-002 (In-house/Onsite Calibration) based on JIS B 7502:2016
		25 mm to 50 mm	1.1 μ m	
		>50 mm to 75 mm	1.4 μ m	
		>75 mm to 100 mm	1.8 μ m	
		>100 mm to 125 mm	2.2 μ m	
		>125 mm to 150 mm	2.6 μ m	
		>150 mm to 175 mm	3.0 μ m	
		>175 mm to 200 mm	3.4 μ m	
	Internal/ Inside Micrometer (Tubular Type)	50 mm	1.1 μ m	
		50 mm to 150 mm	2.6 μ m	
50 mm to 300 mm		5.2 μ m		
Dial Gauge	Mechanical Dial Gauge	0.01 mm resolution	2.5 μ m	TISC-DWI-003 (In-house/Onsite Calibration) based on JIS B 7503:2017
		0.005 mm resolution	1.5 μ m	
		0.002 mm resolution	1.1 μ m	
		0.001 mm resolution	0.9 μ m	

* CMC expressed as an expanded uncertainty having a specific coverage probability of approximately 95%.



JAMES E. EMPEÑO
Director IV
Philippine Accreditation Bureau



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