



COMPANY PROFILE



Trusted and Reliable
High-Quality Measurement
Services

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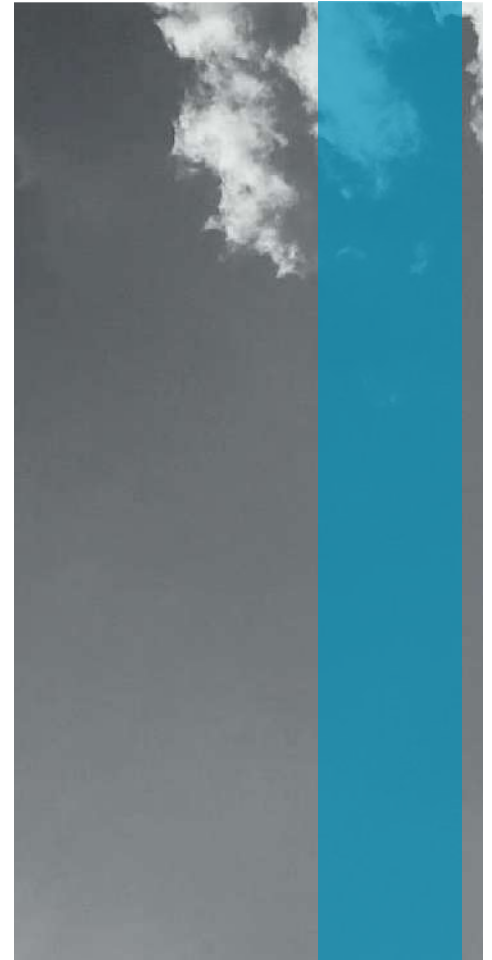
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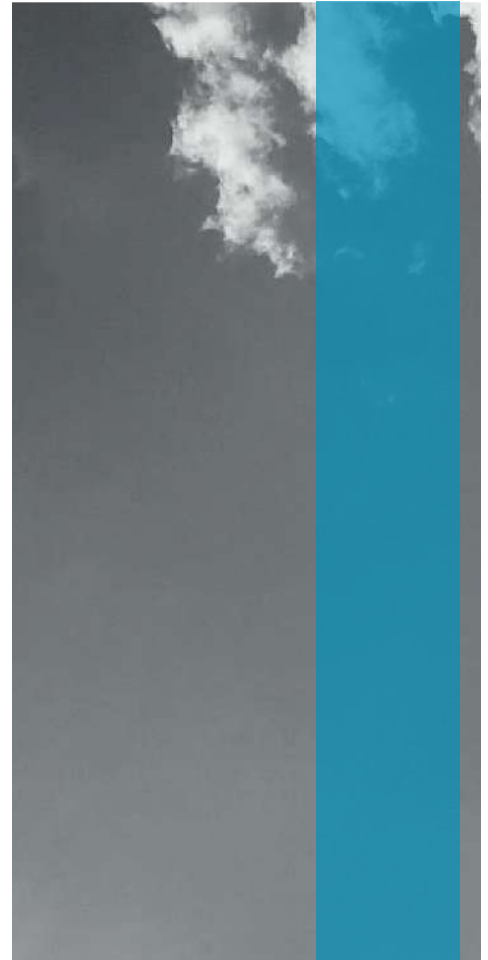
ABOUT US

Established in 1994, SIRIM Standards Technology Sdn Bhd (SIRIM SST), a wholly-owned subsidiary of SIRIM Berhad, is one of the leading calibration laboratories in Malaysia.

Located at 5 strategic locations in Shah Alam, Permatang Pauh, Senai, Kuantan & Kuching, SIRIM SST provides a comprehensive and diverse range of calibration and measurement services throughout Malaysia, Singapore, Thailand and Brunei.

Having strong technical competency, comprehensive calibration facilities, accredited with ISO/IEC 17025 plus value-added calibration and measurement services, SIRIM SST continues to serve the needs of diversified market sectors such as oil and gas, manufacturing, aviation, semiconductors / electronics, utilities, education, defense, automotive, telecommunications, agriculture, healthcare, and construction.

Moving forward, SIRIM SST will continue to deliver excellent calibration and measurement services to our customers. Continuous development state-of-the-art technology is our priority to ensure that the SIRIM SST remains at the forefront of customer satisfaction.





SERVICES

CALIBRATION & MEASUREMENT

- Electrical
- Temperature
- Dimensional
- Torque
- Force
- Pressure
- Mass, Volumetric & Density
- Radio Frequency



VALUE - ADDED SERVICES

- On-site Calibration
- Collection and Delivery
- Repair Works

SST CAPABILITIES



ELECTRICAL

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

- Digital Multimeters
- Clamp meters
- Oscilloscopes
- Frequency Meters
- Insulation Testers
- LCR Meters
- High Voltage Meters
- Calibrators
- RCD/RCCB Testers
- Process Meters
- Resistance Meters
- Acoustic & Vibration

- Platinum resistance thermometer (PRT)
- Thermocouples
- Liquid-in-glass thermometer
- Temperature sensors
- Temperature transmitter
- Digital thermometer
- Temperature indicator/controller/recorder/logger
- Mechanical thermometer
- Dry block calibrator
- Thermohygraph
- Thermohygrometers
- Oven/furnace/freezer/refrigerator/cold room
- Radiation pyrometer/Infrared thermometer



TEMPERATURE

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

- Angle Gauge
- Ball Gauge
- Measuring Tape
- Calipers
- Micrometers
- Gauge Block
- Caliper Checkers
- Feeler Gauge
- Ring Gauge
- Profile Projectors
- Pin Gauges
- Rulers
- Bevel protractor
- Standard Rods
- Thread Gauge
- Plug Thread Gauge
- Jig & fixtures



DIMENSIONAL

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

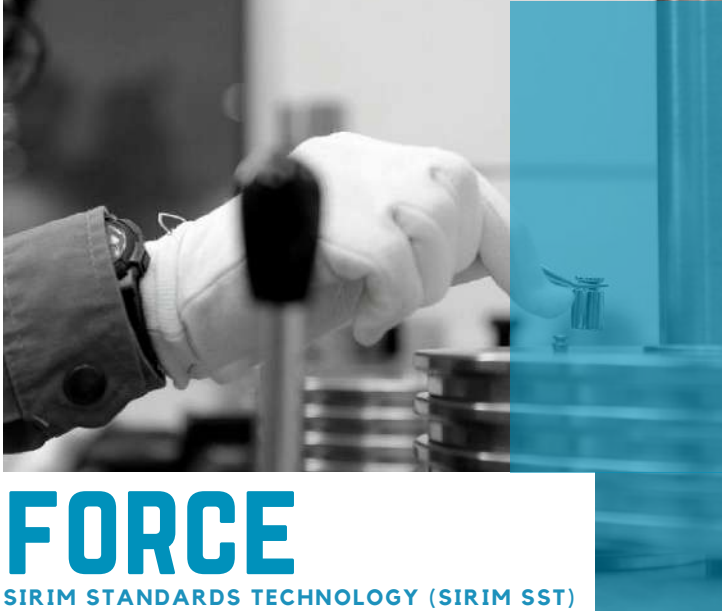


- Torque Meter
- Torque Transducer
- Torque Analyser
- Torque Tester
- Torque Checker
- Torque Wrench
- Torque Screw Driver
- Preset Torque Wrench / Screw Driver
- Torque Gauge

TORQUE

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)





FORCE

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

- Universal Testing Machine
- Compression Machine
- Servo Hydraulic Testing Machine
- Modulus of Rupture Testing Machine
- Concrete Testing Machine
- Crushing Testing Machine
- Bending Testing Machine
- Load Cell
- Proving Ring
- Load Column
- Dynamometer (up to 50 kN)
- Crane Scale (up to 50 kN)
- Force Gauge
- Pull of Tester
- Adhesion Tester
- Izod / Charpy Impact Tester

- Hydraulic / Pneumatic Dead weight tester
- Digital manometer / manometer
- Pressure calibrator / meter / controller
- Pressure Module / sensor
- Pressure Transducer
- Pressure Transmitter
- Digital Test Gauge
- Test Gauge
- Pressure Gauge
- Vacuum Gauge
- Compound Gauge
- Differential Pressure Gauge / Calibrator
- Absolute Pressure Instrument
- Mercury / Aneroid / Digital Sphygmomanometer
- Pressure Recorder



PRESSURE

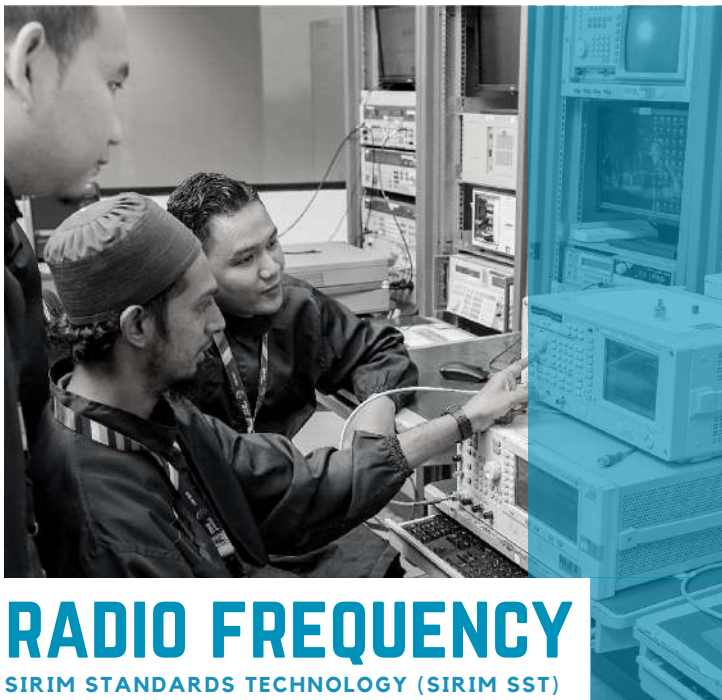
SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

- Analytical Balance
- Balances
- Dead weight
- Force Gauge
- Hardness Tester
- Paper Shearer Tester
- Push/Pull Gauges
- Spring Scales
- Standard Weight: Class M2 to E2
- Tension/Gram Gauges
- Tension Meters
- Triple Beam Balances
- Weighbridges
- Weight Blocks
- Capacity Measures
- Volumetric Apparatus
- Micro Pipettes/Pipettes
- Glassware/Burets
- Hydrometer



MASS, VOLUMETRIC & DENSITY

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)



RADIO FREQUENCY

SIRIM STANDARDS TECHNOLOGY (SIRIM SST)

- Noise Source
- Power Meter
- Power Sensors/ Sensor Modules
- Power Splitter
- RF Amplifier
- RF Communication Analyzer
- Radio Test Set
- Signal Conditioning Unit
- Signal Generator
- Spectrum Analyzer
- Synthesizer Sweepers
- Telegraph test Set
- Thermistor Mount
- Transient limiter
- Attenuator
- Bluetooth Tester
- Calibration Kit
- Crystal Detector
- Directional Coupler
- High Frequency Probe/RF Detector
- Low Pass Filter
- Matching Pad
- Microwave Pre-amplifier
- Modulation Domain Analyzer
- Network Analyzer
- Noise Figure Analyzer

ACCREDITATION



SAMM 088
SAMM 141
SAMM 176
SAMM 533
SAMM 693

INDUSTRIES WE SERVE



CAPABILITY TABLE

Scope	Dimensional			Scope	Force & Pressure				
Parameters	Length	Angle	Flatness	Parameters	Force	Pressure (Pneumatic)	Pressure (Hydraulic)	Low Pressure	Torque
Units	mm	Degree	Micron	Symbol	kgf & ton	psi	psi	bar	newton metre
Symbol	mm	degree	µm	Units	kgf & ton	psi	psi	bar	Nm
Range	0.01 µm to 10 m	1 deg to 90 deg	up to 2 µm	Range	up 200,000 kgf or 200 ton	up to 1,600 psi	up to 40,000 psi	± 400 milibar	up to 1,500 Nm

Scope	Electrical											
Parameters	DC Volatage	DC Volatage	DC Volatage	DC Volatage	Resistance	Capacitance	Inductance	Power	DC High Volatage	AC High Volatage	Speed (non-contact)	Time
Units	Volts	Volts	Amps	Amps	Ohm	Farads	Henry	Watts	Volts	Volts	rpm	hours
Symbol	V	V	A	A	Ω	F	H	W	V	V	rpm	hrs
Range	0 to ±1,000 V	0 to 1,000 V	0 to ±20 V	0 to 50 A	1 mΩ to 1TΩ	1pF to 110 mf	100 µH to 10H	0.1 to 20 kW	up to ± 10 kV	up to 10 kV	60 to 99,999 rpm	
Measure	±100 mv to ±1,000 V	1 mV to 1,000 V	±1 pA to ±100 A	5 µA to 100 A	0 to 200 TΩ	1 pF to 1 mF	1 µH to 10 H	up to 18 kW	up to ± 40 kV	up to 28 kV	10 to 99,999 rpm	up to 24 hrs

Scope	Acoustic		Vibration	
Parameters	Level	Displacement	Velocity	Acceleration
Units	Decibels	mm	m/s	m/s ²
Symbol	dB	mm	m/s	m/s ²
Source	94 to 134 dB	up to 12.7 mm _{pk-pk}	up to 1.4 m/s	up to 700 m/s ²
Measure	94 to 134 dB	up to 1,000 mm _{pk-pk}	up to 10 m/s	up to 10,000 m/s ²

Scope	Temperature			Scope	Mass			
Parameters	Temperature	Infra-red	Humidity	Parameters	Mass	Hardness	Volumetric	Density
Units	Deg Celsius	Deg Celsius	Percent RH	Units	Kilogram	Harness Vickers	millilitre	g/ml
Symbol	°C	°C	%RH	Symbol	Kg	HV	ml	g/ml
Range	-80 °C to 950 °C	0 °C to 1,000 °C	35% to 95%	Range	0.001 mg to 3,000 kg	up to 1,000 HV	1 µl to 2 l	0.600 to 1.500 g/ml

Scope	Radio Frequency							
Parameters	Frequency	RF Power	Mod. Depth(AM)	Mod. Deviation	Audio Distortion	Noise Ratio	Volumetric	S-Parameters
Units	Hertz	Decibels	%	Hertz	Decibels	Decibels	Decibels	Linear
Symbol	Hz	dB	%	Hz	dB	dB	dB	S ₁₁ , S ₁₂ , S ₂₂ , S ₁₂
Source	250 kHz to 40 GHz	+20 dBm to -135 dBm				Noise Floor: -2 ENR to +20 ENR(dB)		
Measure	9 kHz to 50 GHz	+30 dBm to -170 dBm	10% to 90%	Dev: ≤ 40kHz peak	min. -80dB		up to 110 dB	up to 20 GHz



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