

List of calibration services provided by NMC

LENGTH AND DIMENSIONAL

Laser Wavelengths

Laser head
Wavelength meter

Length Measurements

Bore gauge
Depth gauge
Calliper checker
Dial gauge calibrator
Dial gauge
Dial test indicator
Feeler gauge
Fineness of grind gauge
Gauge block
Glass scale
Height gauge
Height setting micrometer
Indicator inspector
Linear transducer & stage
Micrometer
Optical parallel
Optical flat
Pin gauge
Plastic thickness
Plug gauge
Profile projector
Screw pitch gauge
Stage micrometer
Steel rule
Test sieve
Thickness gauge
Thread gauge
Thread measuring cylinder
Toolmaker microscope
Vernier/dial/digital caliper

Angle Measurements

Angle gauge
Autocollimator
Bevel protractor
Clinometer
Indexing table
Polygon
Rotary table
Sine bar/spirit level

Geometrical Measurements

1D/2D coordinate measurement by non-contact probing
3D coordinate measurement
CMM performance verification
Diameter
Roundness
Straightness
Squareness
Surface flatness
Surface profile
Surface roughness

Nanoscale Measurements

Lateral Standards (1D&2D pitch gratings)
Nano-stage movement
Nano-scale surface roughness
Step Height

TEMPERATURE AND HUMIDITY

Temperature

Radiation thermometer
Variable temperature blackbody furnace
Thermocouple (fixed point method)
Thermocouple (comparison method)
Industrial platinum resistance thermometer
Liquid in glass thermometer
Fixed points (for contact thermometry)
Fixed points (for radiation thermometry)

OPTICAL RADIATION

Photometry

Illuminance (lux) meter
Luminance meter
Luminous flux of lamps
Luminous intensity of lamps
Colour temperature of lamps
Emitted colour of lamps
Colorimeter
Colour rendering index of lamps
CIE Averaged LED intensity,
LED flux
Gloss meter

Radiometry

Spectral irradiance of lamps
Laser power meter (power)
Laser source (wavelength and power)
UV radiometer (irradiance and radiant exposure)
Photodiode (spectral responsivity)
UV appliance (total effective irradiance)

Spectrophotometry

Spectral regular transmittance
Spectral regular reflectance
Spectral diffuse reflectance
Peak wavelength of optical filter
Surface colour of material
Spectral optical density of material
Refractive index of material (prism)

Fibre optics

Fibre optic power meter (power)
Wavelength meter (wavelength)
Fibre optic light sources (wavelength and power)
Optical spectrum analyser (wavelength and power)
Optical time domain reflectometer (distance, attenuation and return loss)

ACOUSTICS AND VIBRATION

Acoustic

Microphone
Sound calibrator
Sound level meter
Acoustics piston-phone
Audiometer
Noise measurement

Vibration

Accelerometer
Charge amplifier
Power supply coupler
Vibration calibration exciter
Vibration meter
Vibration measurement

MASS AND FORCE

Mass

Balances (Electronic)
Mass standards
Dead Weights
Volume/Density of mass standards
Magnetic susceptibility of mass standards

Torque

Torque driver

ELECTRICAL

AC voltage reference meter
AC-DC current transfer device
AC-DC voltage transfer device
Capacitance meter
Capacitance standard
Clamp meter
Current shunt
Earth/ Continuity tester
Electrometer
Electronic load
Electrostatic analyser
Electrostatic voltage meter
Energy calibrator
Energy meter
High voltage divider
High voltage generator
High voltage meter
High voltage probe
Highpot tester
Impedance meter
Impulse tester
Inductance meter
Inductance standard
Insulation tester
Low current meter
Low current source
Low magnetic field coil
Megger tester
Multifunction calibrator
Multimeter
Oil dielectric tester
Potentiometer
Power analyser
Power calibrator
Power converter
Power meter
Resistance bridge
Resistance standard
Resistivity meter
Transconductance amplifier
Voltage divider
Watt converter
Watt-hour meter
Wattmeter
Zener voltage standard

RF AND MICROWAVE

AC measurement standard (broad band option)
AC-DC (RF-DC) transfer standard
Air line
Amplifier
Attenuator
Attenuator calibrator
Audio analyzer
Calibration kit
Current probe
Curve tracer
Digital stroboscope
Directional coupler
Distortion analyser
Filter
Frequency calibrator
Function generator
Leveled sine wave generator
Micropotentiometer
Microwave power meter
Microwave power sensor
Microwave power splitter
Modulation analyzer
Measuring receiver
Oscilloscope
Oscilloscope calibrator
Pulse generator
RF voltmeter
RF voltmeter calibrator
RMS voltmeter
Scalar network analyser

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