



Accreditation Scope

PRUDENT CALIBRATION AND INSTRUMENTATION SERVICE LLC, NAL 202
Calibration Laboratory, (ISO/IEC 17025:2017)

WAREHOUSE NO 2, SECTOR 10, MUSSAFAH M-17, ABUDHABI, UAE., Abu Dhabi, United Arab Emirates

Issue Date: 21/12/2023

Expiry Date: 20/12/2026

Issue No: 1

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measurement Range	Expanded Measurement Uncertainty (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P)/Client- site
Linear and angular measurements	Vernier Caliper (Analog / Digital / Dial Type)	0 to 300 mm	12.06 μ m	BS EN ISO 13385-1 : 2019	P
Linear and angular measurements	Vernier Caliper (Analog / Digital / Dial Type)	300 to 600 mm	16.69 μ m	BS EN ISO 13385-1 : 2019	P
Linear and angular measurements	External Micrometer (Analog / Digital)	0 to 25 mm	1.42 μ m	BS EN ISO 3611:2010 & BS 870 : 2008	P
Linear and angular measurements	External Micrometer (Analog / Digital)	25 to 100 mm	1.88 μ m	BS EN ISO 3611:2010 & BS 870 : 2008	P
Linear and angular measurements	External Micrometer (Analog / Digital)	100 to 300 mm	5.07 μ m	BS EN ISO 3611:2010 & BS 870 : 2008	P

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Linear and angular measurements	External Micrometer (Analog / Digital)	300 to 600 mm	6.94 μ m	BS EN ISO 3611:2010 & BS 870 : 2008	P
Linear and angular measurements	Micrometer setting Rods	25 to 200 mm	7.40 μ m	BS 870 : 2008	P
Linear and angular measurements	Micrometer setting Rods	200 to 600 mm	9.29 μ m	BS 870 : 2008	P
Linear and angular measurements	Depth Micrometer (Analog / Digital)	0 to 150 mm	9.99 μ m	BS 6468 : 2008	P
Linear and angular measurements	Depth Micrometer (Analog / Digital)	150 to 300 mm	11.82 μ m	BS 6468 : 2008	P
Linear and angular measurements	Tubular Micrometer / Inside Micrometer (Digital / Analogue)	5 to 400 mm	7.00 μ m	BS 959 : 2008 & JIS B 7502 : 2016	P
Linear and angular measurements	Dial Indicator (Digital / Dial)	0 to 25.0 mm	2.19 μ m	JIS B 7503 : 2017 BS 907 : 2008 & BS EN ISO 463 : 2006	P
Linear and angular measurements	Dial Indicator (Digital / Dial)	25 to 100.0 mm	4.38 μ m	JIS B 7503 : 2017 BS 907 : 2008 & BS EN ISO 463 : 2006	P

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Linear and angular measurements	Bore Gauge (Transmission Only) Span Diameter (1.5mm to 600mm) Two Point	Up to 1.2 mm	2.20 µm	JIS B 7515 : 1982	P
Linear and angular measurements	Dial Test Indicator – Lever Type Dial (Digital / Dial)	0 to 2.0 mm	2.20 µm	JIS B 7533 : 2015	P
Linear and angular measurements	Thickness Gauge (Dial / Digital)	0 to 25 mm	4.95 µm	JIS B 7503:2017 & JIS B 7502:2016	P
Linear and angular measurements	Vernier Depth Gauge (Analog / Digital / Dial Type)	0 to 150 mm	5.97 µm	BS EN ISO 13385 - 2: 2020	P
Linear and angular measurements	Vernier Depth Gauge (Analog / Digital / Dial Type)	150 to 300 mm	9.91 µm	BS EN ISO 13385 - 2: 2020	P
Linear and angular measurements	Vernier Height Gauge (Analog / Digital / Dial Type)	0 to 300 mm	9.38 µm	ISO 13225 : 2012 & JIS B 7517 : 2018	P

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Linear and angular measurements	Vernier Height Gauge (Analog / Digital / Dial Type)	300 to 600 mm	11.00 µm	ISO 13225 : 2012 & JIS B 7517 : 2018	P
Linear and angular measurements	Thread Pitch Gauges (Metric / Inchs)	0.2 to 7.0 mm	5.12 µm	IS: 4211 – 1993	P
Linear and angular measurements	Thread Plug Gauge (Major Dia. & Effective Dia)	1 to 200 mm	2.75 µm	EURAMET/cg10/V.01, ASME B1.1-2003, ASME B1.3-2007, ASME B1.5-1997, ASME B1.20.5-1991 ISO 1502:2004	P
Linear and angular measurements	Thread Ring Gauge (Effective Dia.)	20 to 200 mm	2.14 µm	EURAMET/cg10/V.01, ASME B1.3:2007, ASME B1.5:1997, ASME B1.20.5:1991, ASME B1.8:1988, ASME B1.20.1:2013 ISO 1502:2004	P
Linear and angular measurements	Taper Thread Plug Gauge (Effective Dia.)	5 to 200 mm	3.44 µm	JIS B 0262:1989 EURAMET/cg10/V.01, ASME B1.1-2003, ASME B1.3-2007, ASME B1.5-1997, ASME B1.20.5-1991 ISO 1502:2004	P

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Linear and angular measurements	Plain Plug Gauge / Setting Plug Gauge	1 to 200 mm	2.09 µm	EURAMET cg 6 , DIN 2250-1:2008, ISO 286 Part 1 & 2 : 2010 & ASME B89.1.5	P
Linear and angular measurements	Plain Plug Gauge / Setting Plug Gauge	10 to 200 mm	2.37 µm	ASME B89.1.6 : 2002 & EURAMET cg 6	P
Linear and angular measurements	Plain Plug Gauge / Setting Plug Gauge	200 to 400 mm	5.32 µm	ASME B89.1.6 : 2002 & EURAMET cg 6	P
Linear and angular measurements	Measuring Pin / Cylindrical Standard Pin	0.5 to 25.0 mm	2.26 µm	DIN 2269:1998 -11 ASME B89.1.5 : 2008	P
Linear and angular measurements	Bevel Protractors / Combination Set	0° to 360°	0.03 °	BS 1685 : 2008	P
Linear and angular measurements	Snap gauge / Dial Snap Gauge / Gap gauge	3 to 200 mm	4.17 µm	ISO 286 Part 1 & 2 : 2010 & DIN 2250-1 : 2008	P
END					

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