



RESOLUTION 0.0001

Electronic Dial Calibration Tester

For Periodic Inspection and Calibration of Dial Gauges and Bore Gauges. Meets ISO requirements



CALIBRATION OF PLUNGER TYPE, LEVER TYPE DIAL GAUGES AND BORE GAUGES MADE USER FRIENDLY.

Periodic Calibration of various Measuring Instruments is of vital importance for Quality Assurance as well as cost reduction.

ISO 9000 has become a keyword in today's World of Technology, wherein Calibration record of Basic Instruments like Plunger Type and Lever Type Dial Gauges is necessary.

An Electronic Dial Calibration Tester is the solution to meet this requirement. If coupled with a PC, it gives a printout of readings taken with analysis of SQC parameters. This can be obtained with the help of a software and Foot Pedal supplied as an optional unit with the equipment.

APPLICATIONS

- Calibration of Plunger Types Dial Gauge.
- Calibration of Lever Type Dial Gauge and Bore Gauge.
- Calibration of Back Plunger Type Dial Gauge.

ADVANTAGES

1. Liquid Crystal Display (LCD) for better legibility and more reliability.
2. Choice of different resolutions while calibration in both Metric and Imperial versions.
3. Printer gives hard copy of readings/ important SQC parameter.
4. Foot Pedal technique facilitates faster inspection.
5. Calibration Certificate from our NABL Accredited Laboratory.

TECHNICAL SPECIFICATIONS

Mechanical Stand : Overall Dimensions: L-227 x D-132 x H-77 mm without stand. (H-87 mm with stand)

Weight of Complete Unit : 15 kg approx.

Model	Range		Leas: Count		Total instrument accuracy	Accuracy of measurement for D90 with probe			
	mm	inch	mm	inch		Probe Type	D90 error	Probe error	Miser error
P-10	10	0.4	0.0001	0.00031	0.003 mm over 10 mm	P-10	0.0012mm	0.001mm	0.0016mm
P-25	25	1	0.0001	0.00031	0.003 mm over 25 mm	P-25	0.0015mm	0.0015mm	0.0021mm

DESCRIPTION

The instrument consists of three parts

1. Mechanical stand with micro-screw assembly.
2. Probe-P10 or P 25 (Syvac)
3. Digital indicating Unit D-90 (Syvac)

The Mechanical stand consists of a robust cast iron base fixed with precision ground column with hard chrome plating. A measuring arm assembly can move up and down smoothly on this column with the help of rack and pinion arrangement. This assembly includes a knob for tightening, fine and coarse adjustment and dial holder rod at the bottom.

The micro screw assembly is mounted on the precision machined location slot provided on the base by damping plate. The probe P10 is fitted in the drum and its cable is connected to indicating system for readout. The unit can be connected to PC through its RS232 port.



Calibration of Bore Type Dial Gauge



Calibration of Lever Type Dial Gauge

Our other products : • Torque Wrench Tester • Rubber Hardness Tester Calibrator • Scale & Tape Calibration Unit