

DIAL CALIBRATION TESTER (DCT-100)

DESCRIPTION

CNC dial calibration tester is ideal for high volume calibration of inductive and incremental probes and long length, dial indicators, comparators, lever type dials, plunger type dials, digital dial indicators & bore gauges. It saves the inspection time by 80% as compared to manual dial calibration tester. CNC DCT is software controlled user-friendly machine having high resolution measuring system along with motorized drive for fast calibration.

Features

- Machine complies with Abbe's principle thus ensuring high accuracy
- Motorized measuring spindle drive for analog dial indicators with automation pre positioning Electronic handwheel for manual positioning of measuring spindle.
- Fully automatic calibration cycle for digital dials
- CNC-100 DCT can also be used horizontally for bore gauge (StickType) measurement
- Rigid and ergonomic design
- High accuracy optical scale encoder system with error compensation facility.
- User friendly software for easy operations and Capable of maintaining Gauge History of Calibration.

Software : CNC DCT 100 V 1.0.0.

- For Lever Type Dial As Per IS 11498 : 1985
- For Plunger Type Dial As Per IS 2092 : 1983

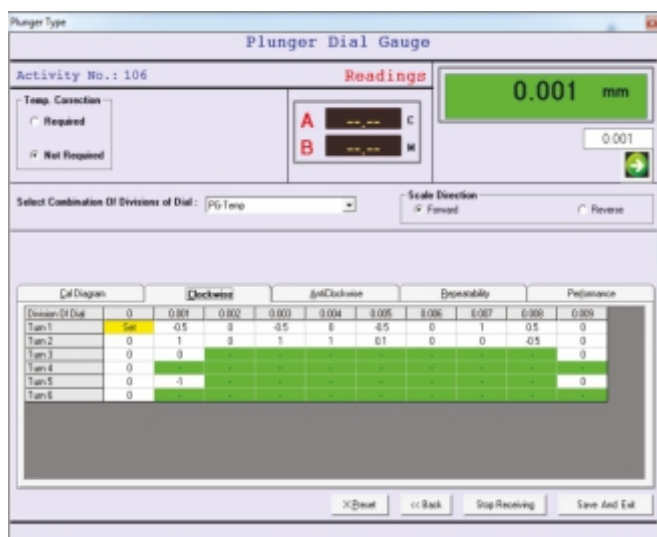


Technical Specification

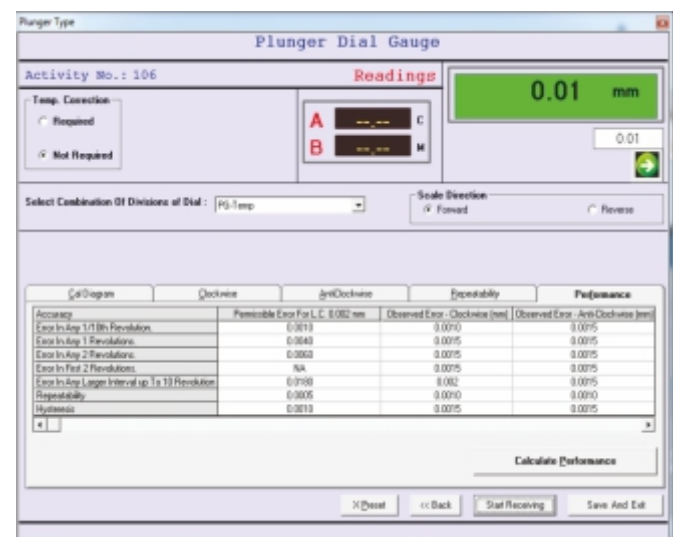
Measuring Range (mm)	100
Resolution mm	0.0001
Accuracy (at 20°C) (μm)	± (0.2 + L/200)
Drive Method	Electronic Motor
Measuring Unit	Numeric Jena Metallic Scale
Measurement	Semi Automatic / Fully
Speed	Max. 2 mm / s
Method	Automatic* / Fine Electronic Knob
Dimension	235 x 216 x 480 mm
Operating temperature (20°C)	20°C ± 0.5
Power Supply	110/230V/9V AC, 18 VA

Accessories

- Standard accessory for lever type dial, microkatators with 28 mm dia stem and bore gauge calibration
- Holders for lever dial, digital dial and probes
- Analog and digital dial gauges.
- Faster by newest technology easier to handle.



Measurement Screen for Clockwise Direction of Plunger Dial Gauge



Parameter calculation as per IS: 2092-1983 of Measured Data for Plunger Dial Gauge