

LABMICROCAL 100

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ONE STOP!

Solution for Calibration Labs
ACCURATE METROLOGY
LABMICROCAL”



FEATURES:

- Follows 100% Abbe's principle for measuring Axis.
- Constant measuring force is ensured with dead weight balance for measuring head.
- Vertical table slide is with precise linear bearing for high accuracy & zero backlash.
- German make high accuracy scale.
- Suitable for dial measurement only.
- Holding shaft provides holes of 8 mm & 3/8 inch.
- High quality carbide tips provided for measuring faces.
- NABL calibration certification as per (ISO/IEC17025)

LAB MICROCAL 100

TECHNICAL SPECIFICATION:

Range : 0 to 100mm

Accuracy : $0.3 + L/1000 \mu\text{m}$ (at $20^\circ\text{C} \pm 1^\circ\text{C}$)

Resolution : $0.1 \mu\text{m}$ / $0.01 \mu\text{m}$

Repeatability : $0.2 \mu\text{m}$ (at ± 2 Sigma)

Measuring Ranges :

Plunger Dial Indicator, Lever Dial Calibration upto 100 mm & Bore Gauge

Calibration upto 400mm.

SOFTWARE SPECIFICATION:

*** Dial Gauges as per: IS or JIS only.**

For MM: Dial Gauge L.C. 2 Micron & 10 Micron as per IS 2092: 1983 or
L.C. 10 Micron as per BS 907:2008.

For MM : Dial Gauge L.C. 2 Micron & 10 Micron as per JIS B 7503 : 1997
For L.C. 1 Micron as per JIS B 7503 : 1997

For INCH : Dial Gauge L.C. 0.001 IN & 0.0005 IN as per BS 907 : 2008.
For INCH: Dial Gauge L.C. 0.0001 IN as per BS 907: 2008.

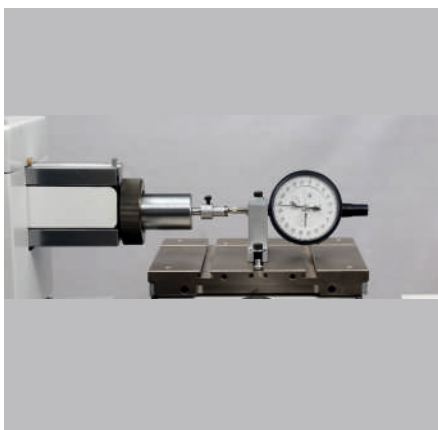
*** Dial Test Indicator as per: IS or JIS only.**

For MM: Dial Test Indicator L.C. 10 Micron as per IS 11498: 1985.
For MM : Dial Test Indicator L.C. 2 & 10 Micron as JIS B 7533 : 1990
For INCH : Dial Tester Indicator as per BS 2795:1981

Bore Gauge: Comparison Method based as JIS B 7515:1982

DIAL INDICATOR, DIAL TEST INDICATOR, & BORE GAUGE

Plunger Dial
(Range up to 100mm)



Lever Dial
(Range upto 2mm)



Bore Gauge
(Capacity upto 400mm)

