



MSTC - 1000

Measuring Scale & Tape Calibration System



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Calibration unit for Precision measuring scales, rules and measuring tapes.



Features :

- Cost effective calibration unit.
- Advance digital Imaging technology
- High Precision digital incremental measuring system with electronic optical scale of 0.001 mm resolution as reference.
- Stable & Robust measuring structure designed for user friendly operation.
- Powerful Software assisted measurement and evaluation system.

Technical Specifications:	
Measuring Range Absolute	1000 mm
Performance data Resolution	0.001 mm
Measurement Uncertainty	$\pm(10+L/100) \mu\text{m}$ L in mm
Coefficient of Thermal Expansion	11.5 $\mu\text{m}/\text{m}/^\circ\text{C}$.
Drawer load	20N & 50N \pm 10%
Dimensions, weight and operational conditions L x W x H	1450 x 300 x 700 mm
Weight (kg)	50 kg
Power supply	230 VAC / 115 VAC 50Hz
Display System	PC based

Applications :

- Measurement steel rule, measuring scale and measuring tapes.
- Comparison of digital image with 10X Magnification.
- Variable loading system for different applications.
- Easy alignment system for Steel rules and tapes.



Octagon Software.

Features :

- Windows based software for online Data Acquisition
- Selectable measuring steps
- Selectable unit mm / inch
- Facility for cumulative measurement of long range measuring tapes.
- Graphical presentation of error charts
- Tabulated measurement results with data export facility.

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