

MDE-500 Programmable Electronic Micrometer

MDE-500 Programmable Electronic Micrometer is a precision comparative measuring instrument that electronically magnifies mechanical slight changed value, of which value is displayed by digital or bar graph indication.

It has 2-12 channels spec. and can recognize not only dimension of workpiece, but also profile, position or run out quickly and accurately.

7 inches TFT LCD screen displays measured value. colored OK/NG, and many graphical displays for easy reading and easy operation.



Specifications

Item	MDE-500 Programmable Electronic Micrometer
Channel	2-12 channels
Number of workpieces memorized	max. 12*as requested
Operation	Enable to set up optionally according to measuring requirement like circularity, cylindricity, max/min value, etc.
Measurement function	Inner diameter, outer diameter, thickness, highness, taper, straightness, verticality, concentricity, cylindricity, flatness, center distance, parallelism, torsion, bounce, position, fitting gap, airtightness, etc.
One-touch calibration	Easy calibration (magnification or drift control) by one-touch operation start, etc.
NC feedback function	Compensated +/- signal by UCL/LCL quality control graphical display (by repeat counter, with count cancelled function after feedback)
Workpiece counter	Count of number measured
Power	100~240V±10% 50/60Hz 11VA
Dimension	260mm(W)*280mm(H)*200mm(D)
Weight	3.4kg~5.4kg
Option	Audible alarm, USB, Air auto shut off, Wireless transmission, QR code with measurements, Statistics operation, Extension of channel, etc.

Performance

Items	Standard Performances				
	5μm	10μm	25μm	50μm	100μm
Measuring range	5μm	10μm	25μm	50μm	100μm
Display resolution	0.1μm	0.2μm	0.5μm	1.0μm	2.0μm
Max. measuring error	0.2μm	0.4μm	1.0μm	2.0μm	4.0μm
Repeatability	0.1μm	0.2μm	0.5μm	1.0μm	2.0μm
Response time	Max 1.2s				