

MDG-500 Programable Air Micrometer

MDG-500 Programable Air Micrometer utilizes sequential control and control panel feature, which is most available equipment for controller of automatic measuring machine.

MDG-500 series air gauge measurement can handle measuring system with max. of 12 points of measurement.

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



Specifications

Item	MDG-500 Programable Air 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
Air pressure supplied	300~700kPa
Power	100~240V±10% 50/60Hz 11VA
Dimension	260mm(W)*280mm(H)*200mm(D)
Weight	10.3kg~14kg
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				