

MHM-2000A (patent pending)

Ferrule Inner Diameter Automatic Measuring Instrument

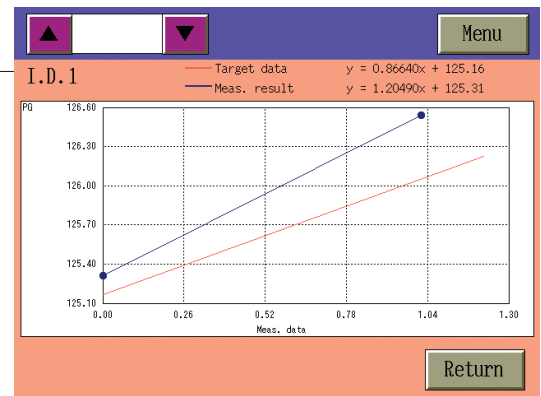
Dramatically Reduced Operating Costs

Operating costs are dramatically lower on the MHM-2002A since the air measuring technology it incorporates does not require the expensive consumables used with pin-gauge based automatic measuring instruments.

High Precision Measurement

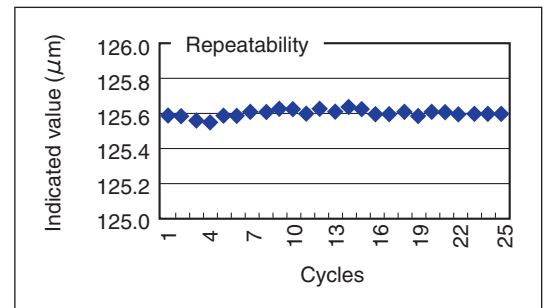
A high measuring precision of $0.1 \mu\text{m}/\pm 2\sigma$ (repeatability) has been achieved. Measured workpieces can be accurately classified (five standard classes).

5 Second Cycle Time



Mastering screen

Multi-point sensitivity calibration has been adopted, minimizing detector error with pin gauges.



Back pressure measuring method

This method achieves high repeatability.

Specifications

● Measuring Unit

Model	MHM-2000A
Applicable workpieces	Inner diameter: $\phi 0.125\text{mm}$
	Outer diameter: $\phi 1.25\text{mm}$ and $\phi 2.5\text{mm}$ (by changing measuring unit part)
	Height: 6.5 – 20 mm
Measuring principle	Back pressure measuring method
Measuring accuracy	$0.1 \mu\text{m}$ or less / $2\pm\sigma$ (repeatability)
Resolution	$0.01 \mu\text{m}$
Cycle time	5 seconds/piece
Measuring unit dimensions	$950 \text{ (W)} \times 700 \text{ (D)} \times 1600 \text{ (H)} \text{ mm}$ (not including signal tower)
Power source	AC 200V, 50 Hz, 3 phase
Air source	$0.5 - 0.8 \text{ MPa}$

● Control Unit

Model	E-PV10
Display	6.4 inch TFT color LCD
Display items	Measured results
Resolution	$0.01 \mu\text{m}$
Display unit	Select μm , mm or inch
No. of detectors	4
Input method	Touch panel and sheet keys
Magnification calibration	Key input or auto master
Measuring condition setting	Key operation after PC card is inserted