

μDimensionair®

Features

• Affordable • Versatile • Innovative • Rugged

No other air gaging system offers so much – in the palm of your hand – mounted to the workbench or even right to the machine tool. μDimensionair is rated IP-54, so, it can be used on the shop floor – and, the air tooling cleans dirt from the part for high performance measurements – fast and easy!

- Air gage readout is right in front of you – simple and clear.
- Fixed resolution and balanced air system makes the gage stable and reliable for your manufacturing environment.
- Single mastering for fast setup.

All other features of the μMaxum Digital Indicator:

- Inch/metric units
- Digital and analog display
- Bi- and uni-lateral tolerances with presets
- Absolute transducer for eliminating travel errors
- Calibratable – battery retains settings
- Multiple data output formats
- Auto-zeroing
- Normal-reverse settings for ID/OD measurements



The μDimensionair is the ultimate of portability and versatility – in your hand or at the workbench or machine tool.

Technical Data

Measuring Range	Digital Resolution	Tooling I.D. Number	Ordering Information	Order Number
± 0.080mm/ ± 0.003"	0.01mm/ 0.00005"	60	μDimensionair, complete with handle, adaptor and hose	2095389
± 0.040mm/ ± 0.0016"	0.0005mm/ 0.00002"	50	Pressure Regulator with filter	2238020
± 0.020mm/ ± 0.00076"	0.0005mm/ 0.00002"	20	Pressure Meter	2095924
Operating Temperature	5-35° C/41-95° F		Bench Kit with adaptor	2239307
Storage Temperature	0-60° C/32-140° F		Output cable – Digimatic	2001025
Repeatability	± 1 digit		Serial output cable to DB-9 pin	SCB-4
Calibration Accuracy	± 1 digit		Battery 3V type CR-2450	EBY-1018
Linear Error	± 1 digit		Insulated Handle	2237666
Response Time	Approximately 1 second		Shut off valve	2240993
Thermal Stability	0.1% of full scale/F		Rest Stand	2241109
Data Output	ASCII/Digimatic		Swivel Adaptor	2240594
Tolerance Indicators	Two – over/under		Supply Hose to Regulator/Filter	AHO-2
Weight	25kg/5lbs.		Oil and water Trap	AFL-9
Dimensions	Main body – approx. 100x60x70mm (4 x 2.5 x 3 in)			
Auto Power Off	15 minutes of non-use			
Power Requirements	3 volt lithium battery coin cell, 2 per unit – CR-2450			
Battery Life	9 months normal usage – 3000 hours			
Air Supply	2.10 ±0.1 bar/30.4 ±1.5 psi			
Display	Rotates through 270 degrees			