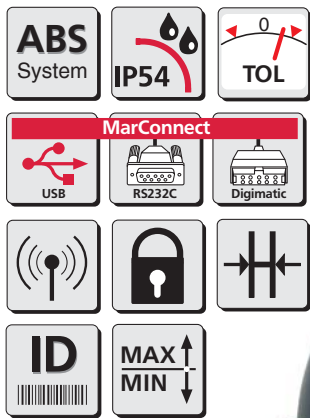


μDimensionair® II Air Gages (single or dual master system)



The μDimensionair is the ultimate of portability and versatility – in your hand or at the workbench or machine tool. Shown with optional 2239307 Bench Kit



All parts of the μDimensionair are completely interchangeable and included with the gaging system – versatility is built-in.

All μDimensionair gages are supplied with output capability.

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 IP54, 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.

μDimensionair II offers:

- Single and Min/Max mastering selectable
- All other features of the μMaxμm II Digital Indicator:
 - Dynamic Mode operation: Min, Max, TIR
 - Multiplier factor and hold function
 - Data output with selectable serial number
 - MarConnect data output: USB, OPTO RS232C, Digimatic

Versatility

The ultimate in configuration – interchangeable handle allows for pistol grip or normal end-mount for easy application of the plug to the part. For large, heavy plugs, mount the handle between the tooling and the display – assures a well-balanced, ergonomic measuring system. Can also be mounted to a bench stand when parts are brought to the gage.

Accessories



Bench stand provides safe and secure μDimensionair storage between measurements.

Order no. 2241109



Slide valve controls air to tooling – saves cost of wasted air, reduces air noise.

Order no. 2240993



Swivel coupling allows for rotating tooling to fully explore bore.


Order no. 2240594

For applications where the local elevation is greater than 305m / 1000 feet, special calibration is required.

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Technical Data

Measuring range	± 0.080mm ± 0.003"		Resolution 0.002mm, 0.001mm 0.0001", 0.00005" 0.001mm, 0.0005mm 0.00002", 0.00005" 0.001mm, 0.0005mm 0.00002", 0.00005"	Tooling I.D. Numbers 60 50 20
	± 0.040mm ± 0.0015"			
Data Output Battery Life	± 0.020mm ± 0.00075"	USB / ASCII / Digimatic 6,000 hours		
	Operating Temperature Storage Temperature Repeatability Calibration Accuracy Linear Error Response Time Thermal Stability Tolerance Indicators Weight Dimensions - Main body Auto Power Off Power Requirements Air Supply Display	5 - 35° C / 41 - 95° F 0 - 60° C / 32 - 140° F ± 1 Last Significant Digit (LSD) ± 1 Last Significant Digit (LSD) ± 1% full scale (LSD) Approximately 1 second 0.1% of full scale/F Two — over / under (3 Class) 25 kg / 5.5 lbs approx. 100 x 60 x 70 mm / approx. (4" x 2.5" x 3") 15 minutes of non-use 3 volt lithium battery coin cell, 2 per unit — CR-2450 2.10 ± .01 bar / 30.4 ± .15 psi Rotates through 270 degrees		
Order no.			2103200*	

* Complete with handle, adaptor and hose

Accessories

	μDimensionair II Order no.	Optional Factory Configured Features for μDimensionair II:
Pressure Regulator with filter	2238020*	<ul style="list-style-type: none"> • Locked multiplier factor • Disabled sleep mode • Locked inch/mm button • Locked setup mode with password • Power up in inch/mm unit on battery change • Calibration lockout with password
Pressure Meter	2095924	
Bench Kit with adaptor	2239307	
Battery 3V type CR-2450	EBY-1018 or 4102520	
Insulated Handle	2237666	
Shut off slide valve	2240993	
Rest Stand	2241109	
Swivel coupling adaptor	2240594	
Air Regulator Trap	AFL-24	
20' Long Hose	2237713	
Supply Hose to Regulator/Filter	AHO-2	
Data interface:		
USB Cable (MarCom or PC, 2m)	4346023	
RS232 Cable (OPTO- 2m)	4346020	
Digimatic Cable (10 pin plug 2m)	4346021	

* For applications where the local elevation is greater than 305M/1000 feet, special calibration is required.