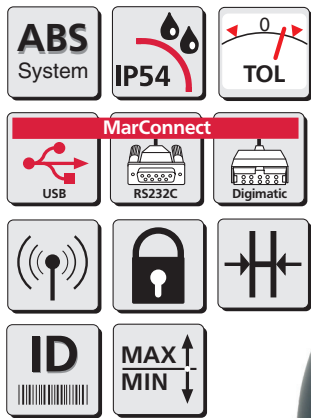


**μDimensionair® Air Gages** (single or dual master system)



*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.*

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

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**Technical Data**

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

\* Complete with handle, adaptor and hose

**Accessories**

	<b>μDimensionair II</b> Order no.	<b>Optional Factory</b> Configured Features for <b>μDimensionair II:</b>
<b>Pressure Regulator</b> with filter	<b>2238020*</b>	
<b>Pressure Meter</b>	<b>2095924</b>	
<b>Bench Kit</b> with adaptor	<b>2239307</b>	
<b>Battery</b> 3V type CR-2450	<b>EBY-1018</b> or <b>4102520</b>	
<b>Insulated Handle</b>	<b>2237666</b>	
<b>Shut off slide valve</b>	<b>2240993</b>	
<b>Rest Stand</b>	<b>2241109</b>	
<b>Swivel coupling adaptor</b>	<b>2240594</b>	
<b>Air Regulator Trap</b>	<b>AFL-24</b>	
<b>20' Long Hose</b>	<b>2237713</b>	
<b>Supply Hose</b> to Regulator/Filter	<b>AHO-2</b>	
<b>Data interface:</b>		
<b>USB Cable</b> (MarCom or PC, 2m)	<b>4346023</b>	
<b>RS232 Cable</b> (OPTO- 2m)	<b>4346020</b>	
<b>Digimatic Cable</b> (10 pin plug 2m)	<b>4346021</b>	

- 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