

Ranges

All units come with a 4 ½” magnehelic meter for pressure readout—optional digital display must be ordered at the time of purchase. A range must be specified on your purchase order when ordering a MicroAir I, MicroAir II, and MicroAir IV single channel model. On all Dual, 3-channel and 4-channel MultiAir units range must be specified for each channel



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Normal ranges available are:

- 0 – 3 inches of water
- 0 – 5 inches of water
- 0 – 10 inches of water
- 0 – 15 inches of water
- 0 – 30 inches of water
- 0 – 50 inches of water
- 0 – 80 inches of water
- 0 – 3 psi *
- 0 – 5 psi * or 0 – 120” of water (Maximum range)
- Other ranges available upon request. Lower range of 0-2” is available.



Available Also IN:

- Millibar (0-8 mbar, 0-40mbar, 0-75 mbar, 0-150 mbar, 0-200 mbar and 0-300 mbar (maximum).
- Killipascal (0-1.25 kPa, 0-3 kPa, 0-8 kPa, 0-20 kPa, 0 – 35 kPa max)
- Ounces per square inch (0-80 oz per sq in)*
- Millimeters of water column (0-125 mm w.c.)*
- Centimeters of water column (0-350 cm w.c.) * *not available on digital display

How to help you choose a range:

- Your target operating pressure should be in the middle of the range. *Note operating a unit below 10% of full scale will lose some precision.*
- One psi = 27.68” of water
- There are too many variables on a tubing line including what type of material, line speed, etc. for us to pick a range for you. High ranges like 0-3 psi and 0-5 psi are used most often making automotive tubing while the lower ranges of 0-5” of water, 0-15” of water and 0-30” of water are the most popular for medical tubing. The new micro-tubes can use ranges as low as 0-5” of water or 0-3” of water.



- All MicroAir I and MicroAir II units can be easily range changed free within 30 days of purchase or with a kit purchased from OLC. The MicroAir IV unit can be ranged change if needed at our factory for a fee.

Digital Displays are accurate to +/- .1% of full scale below 60" of water (.01" of water) and +/- .3% of full scale above 3 psi (.03 psi). One decimal place (0.1) on units with a maximum range above 10" of water. *Two decimal places (0.01) are available below 10 inches of water. *If ordering unit with a digital display option, please note cannot read in psi*

"Let the tube talk to you. Less is best" – Bob Bessemer of Conair

All MicroAir units do not need to be re-calibrated as the unit is factory set before shipping.



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