



#### MICROMANOMETER

##### Model EBT730

The EBT730 is one of the most advanced, versatile, and easy-to-use Micromanometers on the market today. Auto-zeroing allows you to make measurements throughout the day. Velocity matrix accessory is useful in measuring downflows in clean rooms and other specialized spaces.

##### Features and Benefits

- + Accurately measures pressure, velocity (Pitot), and flow
- + Large, easy-to-read display
- + Data logging and LogDat2 downloading software included
- + Measures differential and static pressure from -15 to +15 in. H<sub>2</sub>O (-3,735 to +3,735 Pa)
- + Resolution 0.00001 in. H<sub>2</sub>O (0.001 Pa)
- + Built-in duct traverse mapping application
- + Bluetooth communications

##### Optional Accessories for EBT730

- + 16 point velocity matrix with telescoping handle
- + Air flow probe
- + Temperature/humidity probe
- + Thermoanemometer probes
- + Pitot probes
- + Duct plugs



Model EBT730 Shown with  
Optional Accessories



| EBT720/EBT721 Specifications |                       |   |
|------------------------------|-----------------------|---|
| <b>range</b>                 | differential pressure | ±15 in. H <sub>2</sub> O, (3735 Pa) 150 in. H <sub>2</sub> O maximum safe operating pressure  |
|                              | absolute pressure     | 15 to 40 in. Hg (356 to 1016 Hg)  |
|                              | velocity              | 25 to 8,000 ft/min (0.125 to 40 m/s) pitot probes;<br>25 to 5,000 ft/min (0.125 to 25 m/s) air flow probe;<br>25 to 2,500 ft/min (0.125 to 12.5 m/s) velocity matrix;   |
|                              | volume                | 25 to 2,500 ft <sup>3</sup> /m (42 to 4250 m <sup>3</sup> /h) capture hood  |
|                              | RH                    | 0 to 95% RH (optional probe)  |
|                              | temperature           | -40 to 250 degrees F (-40 to 121 degrees C) probe dependant   |
| <b>resolution</b>            | pressure              | 0.00001 in. H <sub>2</sub> O (0.001 Pa) Static & Differential Pressure<br>0.001 in. Hg (1 mm Hg) Absolute Pressure  |
|                              | velocity              | 0.1 ft/min (0.1 m/s)  |
|                              | volume                | 0.1 ft <sup>3</sup> /min (0.1 m <sup>3</sup> /h)  |
|                              | RH                    | 0.1% RH   |
|                              | temperature           | 0.1 degrees F (0.1 degrees C)   |
| <b>accuracy</b>              | pressure              | ±2% of reading ±0.001 in. H <sub>2</sub> O, (0.025 mm H <sub>2</sub> O; ±2% of reading ±0.001 in. Hg) Absolute  |
|                              | velocity              | ±3% of reading ±7 ft/min (0.04 m/s) 25 to 8,000 ft/min (all velocity probes) > 50 ft/min  |
|                              | volume                | ±3% of reading ±7 ft <sup>3</sup> /min 25 to 2,500 ft <sup>3</sup> /min > 50 ft <sup>3</sup> /min   |
|                              | RH                    | ±3% RH  |
|                              | temperature           | ±0.5 degrees F (0.3 degrees C) from 32 to 160 degrees F (0 to 71 degrees C)<br>typically ±1.0 degrees F (0.6 degrees C) from -40 to 32 degrees F (-40 to 0 degrees C) and from 160 to 250 degrees F (71 to 121 degrees C) |
| <b>units</b>                 | pressure              | in. H <sub>2</sub> O, Pa, mm Hg, in. Hg   |
|                              | velocity              | ft/min, m/s, m/h  |
|                              | volume                | ft <sup>3</sup> /min, m <sup>3</sup> /h, m <sup>3</sup> /m, l/s   |
|                              | temperature           | degrees F, degrees C  |