

# Competitive Differences

## Differential Pressure

Sensor Probes		<b>EBTRON</b>	Pitot Array	Piezo Ring
<b>Sensor Probe Construction</b>				
Independent, Multi-point Velocity Averaging		Yes	No	No
Infinite Turndown		Yes	No	No
Waterproof Sensor Design		Yes	No	No
<b>Probes</b>	<b>Max Sensors</b>	<b>16</b>	<b>1</b>	<b>1</b>
	<b>304 Stainless Steel Mounting Brackets</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
	<b>Cables/Tubing to Transmitter Provided</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
<b>Fan Inlet Sensors</b>	<b>Max Sensors</b>	<b>4</b>	<b>1</b>	<b>1</b>
	<b>Design will not affect fan performance</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>
	<b>Adjustable Mounting Rods</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
	<b>304 Stainless Steel Mounting Block and Feet</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
	<b>Cables/Tubing to Transmitter Provided</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
<b>Calibration and Listings</b>				
NIST Traceable Calibration Standards		Yes	No	No
16 Point Individual Sensor Airflow Calibration		Yes	No	No
Temperature Compensated		Yes	No	No
UL Listed		Yes	No	No

Transmitters		<b>EBTRON</b>	Pitot Array	Piezo Ring
<b>Transmitter Circuitry and Construction</b>				
High Speed Microprocessor		Yes	No*	No*
Industrial Rated Integrated Circuits		Yes	No	No
"Smart Sensor" Fault Detection		Yes	No	No
Fused and Surge Protected Power Supply		Yes	No*	No*
Periodic Recalibration is NOT Required		Yes	No	No
<b>User Interface</b>				
16 Character Alpha-numeric LCD Display		Yes	No*	No*
Display Individual Sensor Airflow & Temperature		Yes	No	No
Pushbutton User Interface		Yes	No*	No*
EB-Link Infra-red Interface to PDA		Yes	No	No
<b>BAS Interface Options (select one)</b>				
Analog (Dual Output)				
Linear to airflow, isolated 0-5, 0-10 VDC/4-20mA		Yes	No*	No*
RS-485				
RS-485 (BACnet MS/TP, Modus RTU, JCI-N2-Bus)		Yes	No	No
RS-485 View Individual Sensor Values		Yes	No	No
Combination Analog (Dual Output)/RS-485		Yes	No	No
Combination Analog (Dual Output) AND Ethernet Output (BACnet <sup>®</sup> Ethernet/IP, Modbus TCP, TCP/IP)		Yes	No	No
LonWorks Free Topology Interface		Yes	No	No
USB Thumb Drive Data Logger		Yes	No	No
<b>Special Functions</b>				
Arithmetic Average Temperature Output		Yes	No	No
Velocity Weighted Temperature Output		Yes	No	No
Airflow Field Cal Wizard		Yes	No	No
"Live" or "Coefficient" Airflow Digital Offset/Gain Adjustment		Yes	No	No
Airflow Digital Gain Adjustment Control		Yes	No	No
Airflow "Rate of Change" Dampening Filter		Yes	No	No
Variable Airflow Output Integration		Yes	No	No
Low Limit Airflow Cutoff		Yes	No	No
Low Airflow Alarm (Visual and Analog Output)		Yes	No	No

\* Typical pressure transducer. Check individual manufacturer's specifications.