



## Advantage II

# Competitive Differences

### Vortex Shedding

Sensor Probes	EBTRON Thermal Dispersion Airflow Measurement	Vortex Shedding
<b>Sensor Probe Construction</b>		
Independent, Multi-point Velocity Averaging from Still Air	Yes	No
Internal Wiring/Tubing will not Deteriorate Over Time	Yes	No
304 Stainless Steel Mounting Brackets	Yes	No
Gold Plated Cable Plug Pins	Yes	No
<b>Calibration and Listings</b>		
NIST Traceable Calibration Standards	Yes	No
16 Point Individual Sensor Airflow Calibration	Yes	No
3 Point Individual Sensor Temperature Calibration	Yes	No
UL Listed	Yes	No

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