



Advantage II

Competitive Differences

Vortex Shedding

| Sensor Probes | EBTRON Thermal Dispersion Airflow Measurement | Vortex Shedding |
|--|--|-----------------|
| Sensor Probe Construction | | |
| 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 |
| Calibration and Listings | | |
| 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 |
|--|--|-----------------|
| Transmitter Circuitry and Construction | | |
| 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 |
| User Interface | | |
| 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 |
| BAS Interface Options (select one) | | |
| Analog (Dual Output) | | |
| Linear to airflow, isolated 0-5, 0-10 VDC/4-20mA | Yes | No |
| RS-485 | | |
| RS-485 (BACnet ARCNET) | Yes | No |
| RS-485 (BACnet MS/TP, Modus RTU, JCI-N2-Bus) ^a | Yes | No |
| RS-485 View Individual Sensor Values ^b | Yes | No |
| Combination Analog (Dual Output)/RS-485 ^{a,b} only) | Yes | No |
| Ethernet (BACnet-Ethernet, BACnet-IP, Modbus TCP, TCP/IP) | Yes | No |
| LonWorks Free Topology Interface | Yes | No |
| USB Thumb Drive Datalogger | Yes | No |
| Special Functions | | |
| 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 |