# Model Comparison

## Advantage IV / *EB-Flow II*

| | GTx116e-PC | GTx116e-P+ | HTx104-PE | EF-x2000-T | EF-x1000-T | EF-x2000-U | GTx108e-F/An | GTx108e-F | HTx104-F | EF-x2000-B |
|---|---|---|---|---|---|---|---|---|---|---|
| **Airflow Measurement** | | | | | | | | | | |
| NIST Traceable Calibration Standard | • | • | • | • | • | • | • | • | • | • |
| Sensor Node Accuracy (% of reading) | ±2 | ±2 | ±2 | ±3 | ±3 | ±3 | ±2 | ±2 | ±2 | ±2 |
| Installed Accuracy without Adjustment (% of reading)[1] | ±3 | ±3 | ±3/10 | ±3 | ±3 | < ±15 | < ±10 | < ±10 | < ±10 | N/A |
| Adjusted Accuracy to Third Party Reference (% of reading) | ±3 | ±3 | ±3 | ±3 | ±3 | ±3 | ±3 | ±3 | ±3 | ±3 |
| Airflow Measurement Range (Min/Max FPM) | 0/5000 | 0/5000 | 0/5000 | 0/2000[2] | 0/2000[2] | 0/2000[2] | 0/10000 | 0/10000 | 0/10000 | ±2000[2] |
| **Temperature Measurement** | | | | | | | | | | |
| NIST Traceable Calibration Standard | • | • | • | • | • | • | • | • | • | • |
| Velocity Weighted Temperature | • | • | • | • | • | • | • | • | • | N/A |
| Sensor Node Accuracy (°F) | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 | ±0.15 |
| **Humidity Measurement (Requires /H option)** | | | | | | | | | | |
| Acccuracy @ 77°F (%RH, 20 to 80%RH/<20 and >80%RH) | ±2/3.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Temperature Coefficient (%/°F) | 0.07 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Long Term Drift (%RH/year) | 0.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Velocity Weighted Enthalpy or Dewpoint | • | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **Construction** | | | | | | | | | | |
| Max Probes | 4 | 4 | 2 | 1 | 1 | 2 | 8 | 8 | 4 | 1 |
| 316 SS Option | • | • | • | • | • | | | | | |
| Max Sensors/Probe | 8 | 8 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| Max Sensor Nodes per Transmitter | 16 | 16 | 4 | 2 | 2 | 2 | 8 | 8 | 4 | 1 |
| Individual Sensor Nodes | | | | | | | | | | |
| Bead-in-glass Self-heated Thermistor | • | • | • | • | • | • | • | • | • | • |
| Bead-in-glass Temperature Sensor | • | • | • | • | • | • | • | • | • | • |
| Mounting Options | | | | | | | | | | |
| Insertion, Internal and Standoff | • | • | • | | | | | | | |
| Insertion (Recommended for smaller round ducts only) | | | | • | • | | | | | |
| Adjustable Insertion and Standoff | | | | | | • | | | | |
| Fan Inlet (Throat, Face, Forward or Flare) | | | | | | | | • | • | |
| Plenum Fan Inlet (Face, Forward or Flare) | | | | | | | • | • | • | |
| Backdraft Damper Fan Inlet (Flare) | | | | | | | • | • | • | |
| Probe to Transmitter Connections | | | | | | | | | | |
| FEP Plenum Rated Cable (10 ft. standard, up to 50 ft.) | • | • | • | • | N/A | • | • | • | • | • |
| Gold Plated Probe Plug/Connector Pins | • | • | | | | | • | • | | |
| **Display** | | | | | | | | | | |
| 16 Character Alpha-numeric LCD (non backlit) | | | • | • | | • | • | • | • | • |
| 16 Character x 2 Row Alpha-numeric LCD (backlit) | • | • | | | | | • | • | | |
| **Connectivity Options** | | | | | | | | | | |
| Analog Output Signals (x=A, C, F, M, U or W) | | | | | | | | | | |
| Airflow | • | • | • | • | • | • | • | • | • | • |
| Temperature or Alarm | • | • | • | • | Opt.[3] | • | • | • | • | • |
| RH, Enthalpy or Dewpoint (Requires /H option) | • | | | | | | | | | |
| RS-485 BACnet/Modbus (x=C or N) | • | • | • | • | • | • | • | • | • | • |
| Ethernet BACnet/Modbus (x=M) | • | • | | | | | • | • | | |
| Lonworks Free Topology (x=F) | • | • | | | | | • | • | | |
| RF-Link to EBTRON wireless transcievers (x=W) | • | • | | | | | • | • | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| **Datalogging** | | | | | | | | | | |
| USB "Thumb Drive" Datalogger (x=U) | • | • | | | | | • | • | | |
| **Phone/Tablet Applications (Free Download for Android® and iOS systems®)** | | | | | | | | | | |
| *EB-Link* Reader w/Bluetooth® low energy Interface | • | • | | | | | • | • | | |
| **Alarms** | | | | | | | | | | |
| High/Low Airflow Alarms | • | • | • | • | | • | • | • | • | • |
| Fan Airflow Alarm | | | | | | | • | | | |
| System Status Alarm | • | • | • | • | | • | • | • | • | • |
| Contact Closure Alarm Relay | | | | • | | • | | | | • |
| **Operating Ranges** | | | | | | | | | | |
| Probe Temperature Range (Min/Max °F) | -20/160 | -20/160 | -20/160 | -20/160[2] | -20/120[2] | -20/160[2] | -20/160 | -20/160 | -20/160 | -20/160[2] |
| Transmitter Temperature Range (Min/Max°F) | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 | -20/120 |
| Probe Humidity Range (% RH) | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 | 0/100 |
| Transmitter Humidity Range (% RH) | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 | 5/95 |
| **Listings & Ratings** | | | | | | | | | | |
| UL/cUL | • | • | • | • | • | • | • | • | • | • |
| CE | • | • | •[4] | | | | • | • | •[4] | |
| BTL Listed (BACnet devices only) | • | • | • | | | | • | • | • | |
| FCC Part-15 | • | • | • | • | • | • | • | • | • | • |

Note 1 - When installed in accordance to published guidelines.

Note 2 - 0/3000 FPM when minimum temp is greater than 0 °F

Note 3 - Temperature only. Alarm not available.

Note 4 - European shipments only