

# Product Line Comparison Charts

-P Duct/Plenum Probes and -F Fan Inlet Sensors

Sensor Probes		GTx116	HTx104	STA102
Sensor Probe Construction				
Independently Wired/Processed, Multi-point Sensing		√	√	√
Precision Bead-in-Glass Thermistors		√	√	√
"Plug and Play" Sensor Probes		√	√	√
Waterproof Epoxy Sensor Potting Compounds		√	√	√
Duct/Plenum Probes (-P)	<b>Max Sensors</b>	<b>16</b>	<b>4</b>	<b>2</b>
	<b>Max Probes</b>	<b>4</b>	<b>2</b>	<b>1</b>
	<b>Gold Anodized 6063 Aluminum Tube (-T Probe mill Alum.)</b>	√	√	√
	<b>304 Stainless Steel Mounting Brackets</b>	√	√	√
	<b>FEP Plenum Rated Cable</b>	√	√	√
	<b>Max Sensors</b>	<b>4</b>	<b>4</b>	<b>N/A</b>
Fan Inlet Sensors (-F)	<b>Max Probes</b>	<b>4</b>	<b>4</b>	<b>N/A</b>
	<b>Available in Throat, Face and Forward Mount Styles</b>	√	√	N/A
	<b>Adjustable Mounting Rods</b>	√	√	N/A
	<b>304 Stainless Steel Mounting Block and Feet</b>	√	√	N/A
	<b>PVC Plenum Rated Cable</b>	√	√	N/A
	Gold Plated Cable Plug Pins	√		
Calibration and Listings				
NIST Traceable Calibration Standards		√	√	√
16 Point Individual Sensor Airflow Calibration		√	√	√
3 Point Individual Sensor Temperature Calibration		√	√	√
UL Listed		√	√	√

Transmitters		GTx116	HTx104	STA102
Transmitter Circuitry and Construction				
High Speed Microprocessor		√	√	√
Field Upgradable Firmware		√	√	√
High Performance A/D Converter		√	√	√
Signal Processing Components Protected from Airstream		√	√	√
Industrial Rated Integrated Circuits		√	√	√
"Smart Sensor" Fault Detection		√	√	√
Gold Plated PC Board Interconnects		√	√	√
Switching Power Supply		√	√	√
Fused and Surge Protected Power Supply		√	√	√
Watchdog Brownout Protection		√	√	√
Lightweight Aluminum Enclosure		√	√	√
Gold Plated Cable Receptacle Pins		√		
User Interface				
16 Character Alpha-numeric LCD Display		√	√	
Display Individual Sensor Airflow & Temperature		√	√	
Pushbutton User Interface		√	√	
EB-Link Infra-red Interface to PDA		√		
BAS Interface Options (select one)				
Analog (Dual Output)				
Two Linear 0-5, 0-10 VDC/4-20mA (isolated from main circuit)		√	√	
One Linear 0-10 VDC/4-20mA (isolated from 24 VAC)				√
RS-485				
RS-485 (BACnet MS/TP, Modbus RTU, JCI-N2-Bus)		√	√	
RS-485 View Individual Sensor Values		√	√	
Combination Analog (Dual Output)/RS-485		√		
Combination Analog (Dual Output) AND Ethernet Output (BACnet®-Ethernet/IP, Modbus TCP, TCP/IP)		√		
LonWorks Free Topology Interface		√		
USB Thumb Drive Data Logger		√		
Special Functions				
Arithmetic Average Temperature Output		√	√	
Velocity Weighted Temperature Output		√	√	
Airflow Field Cal Wizard		√	√	
"Live" or "Coefficient" Airflow Digital Offset/Gain Adjustment		√	√	
Airflow Digital Gain Adjustment Control				√
Airflow "Rate of Change" Dampening Filter		√	√	
Variable Airflow Output Integration		√	√	
Low Limit Airflow Cutoff		√	√	
Low Airflow Alarm (Visual and Analog Output)		√	√	