







	EE10 Series	EE15 Series	EE 20 Series	EE205 Series	EE23 Series
					
 <p>High Accuracy & Cost Effective Humidity Sensing (ISO 9001 Certified)</p>	<p>Price For Performance Simple Installation Long term Stability Modern Appearance LCD Option</p>	<p>Price For Performance Long Term Stability Wettable # Of Protective Filters</p>	<p>0-100% Range +/- 2% Accuracy Wettable Long Term Stability Replicable Sensors # Of Protective Filters Coated Electronics</p>	<p>0-100-% For Harsh Environments Wettable Long Term Stability Passive Temp # Of Protective Filters Coated Electronics</p>	<p>0-100% range -40 to 284°F (-40 to 120°C) Modular Assembly Highest Accuracy (1%) 5 Mounting Options Display & Alarm Options</p>
Key Features					
Applications	Building Control Space Monitoring	Building Control In-Duct Measurements	Manufacturing/Clean Rooms OA/Damp Environments Greenhouse/Pool	Manufacturing/Clean Rooms OA/Damp Environments Greenhouse/Pool	High Accuracy Applications Process Control/Dryers Meteorology/Climate Chambers
RH Specifications					
Sensor Type	Capacitance (HC103)	Capacitance (HC200)	Capacitance (HC1000)	Capacitance (HC1000)	Capacitance (HC1000)
Measurement Range	0-95%RH	20-95%RH	0-100%RH	0-100%RH	0-100%RH
Max Accuracy @ 20°C	± 2% RH (40-60% RH)	± 3% RH (40-60% RH)	± 2% RH (0-90% RH)	± 3% RH (0-90% RH)	± 2% RH (0-90% RH)*
Full Range Accuracy	± 3% RH (10-90% RH)	± 5% RH (20-95% RH)	± 3% RH (90-100% RH)	± 3% RH (0-100% RH)	± 3% RH (90-100% RH)
Temp Dependence	@65%RH 0.06%/RH/°C	@45% RH -0.05%/RH/°C	@60% RH <0.03%/RH/°C	@45% RH -0.05%/RH/°C	Typical 0.05%/RH/°C *+/- 1% RH Cal Available
Temperature Specifications					
Range	23 to 130°F (-5 to 55°C)	23 to 120°F (-5 to 50°C)	-4 to 176°F (-20 to 80°C)	-4 to 140°F (-20 to 60°C)	-40 to 248°F (-40 to 120°C)
Optimum Accuracy	± 0.45°F (± 0.25°C)	± 0.9°F (± 0.5°C)	± 0.55°F (± 0.3°C)	± 0.36°F (± 0.2°C)	± 0.36°F (± 0.2°C)
Full Range Accuracy	± 0.7°F (± 0.4°C)		± 0.9°F (± 0.5°C)		± 0.7°F (± 0.4°C)
General Specifications					
LCD Display Option	Yes	-	-	-	Yes
Outputs					
RS-485	-	-	-	-	Yes
0-1 V	-	-	Yes	-	Yes
0-5 V	-	-	Yes	Yes (RH Only)	-
0-10 V	Yes	Yes	Yes	Yes (RH Only)	Yes
4-20 mA	Yes	Yes	Yes	-	Yes
Passive Temp	Yes	Yes	-	Yes	Yes
Supply Voltage					
0-1 V (output)	-	-	10-35 VDC, 9-29 VAC	-	-
0-5 V (output)	-	-	12-35 VDC, 15-29 VAC	8.5-30 VDC	10.5-28 VDC, 12-28 VAC
0-10 V (output)	15-40 VDC, 24 VAC ±20%	15-35 VDC, 24 VAC ±20%	15-35 VDC, 15-29 VAC	15-30 VDC	10.5-28 VDC, 12-28 VAC
4-20 mA (output)	28V > Uv > 10 + 0.2 x RL	10 V + RL x 20mA <Uv <35VDC	20-35 VDC for RL <500 Ohm	-	10.5-28 VDC, 12-28 VAC
Current Consumption	8 mA (DC), 15 mA (AC)	8 mA (DC), 20 mA (AC)	8 mA (DC), 15 mA (AC)	5 mA (DC)	See Specifications
Housing	Decorative (IP20)	IP65 / NEMA 4	IP65 / NEMA 4	IP65 / NEMA 4	IP65 / NEMA 4
CE Certification	EN 50081-1, 50082-1	EN 50081-1, 55104	EN 50081-1-1, 55105	EN 50081-1, 55104	EN 50081-1, 61010-1
OA Mounting	No	No	Yes With Radiation Shield Option	Yes With Radiation Shield Option	Yes With Radiation Shield Option