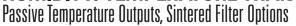
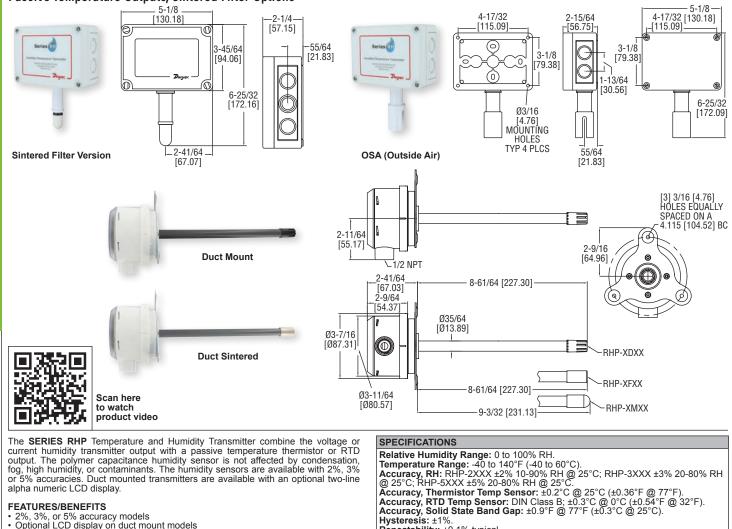
## Dwyer. **IDITY/TEMPERATURE TRANSMITTER**





- Radiation shield option for outdoor installation in direct sunlight

## APPLICATIONS

Humidity/Temperature

ransmittei

**AIR QUALITY** 

- · Air economizers
- · Outdoor temperature and relative humidity reference Pool room humidity monitoring

MODEL CHART							
Example	RHP	-2	D	1	Α	-LCD	RHP-2D1A-LCD
Series	RHP						RH/passive temperature sensor transmitter
Accuracy		2 3 5					2% accuracy 3% accuracy 5% accuracy
Housing Type			D F M O S R				Duct mount w/ membrane filter Duct mount w/ SS sintered filter Duct mount w/ HDPE filter OSA (outside air) OSA w/sintered filter* Radiation shield
RH Output				1 2 3			4 to 20 mA 0 to 10 V 0 to 5 VDC
Temperature Sensor					0 1 2 3 A B C D E F		None   4 to 20 mA   0 to 10 VDC   0 to 5 VDC   10K @ 25°C thermistor type III   10K @ 25°C thermistor type II   3K @ 25°C thermistor   100 Ω RTD DIN 385   10K Ω RTD DIN 385   20K Ω @ 25°C thermistor
Options						LCD NIST	LCD display NIST traceable calibration certificate
*Model RHRS Radiation Shield is required for sintered filter OSA models.							

Hysteresis: ±1%. Hysteresis: ±1%. Repeatability: ±0.1% typical. Temperature Limits: -40 to 140°F (-40 to 60°C). Storage Temperature: -40 to 176°F (-40 to 80°C). Compensated Temperature Range: -4 to 140°F (-20 to 60°C). 4 to 20 mA Loop Powered Models: Power requirements: 10 to 35 VDC; Output signal: 4 to 20 mA 0-5/10V Output Models: Power requirements: 15 to 35 VDC or 15 to 29 VAC; Output signal: 0 to 10 V @ 5 mA max. Solid State Band Gap Temperature Sensor Output Ranges: Switch selectable, -20 to 140°F (-28.9 to 60°C); 0 to 100°F (-17.8 to 37.8°C); 40 to 90°F (4.4 to 32.3°C); -4 to 140°F (-20 to 60°C). **Response Time:** 15 seconds. Electrical Connections: Removable screw terminal block. Conduit Connection: Duct mount: 1/2" NPS; OSA: 1/2" (22.3 mm). Drift: < 1% RH/year. RH Sensor: Capacitance polymer. Temperature Sensor: Types 1, 2, 3: Solid state band gap; Curves A, B, C: Thermistor; Curves D, E: Platinum RTD DIN 385. Enclosure: Duct mount: PBT; OSA: Polycarbonate. Enclosure Rating: Duct mount: NEMA 4X (IP66) for housing only; OSA: NEMA 4X (IP66)Display: Duct mount only, optional 2-line alpha numeric, 8 characters/line. Display Resolution: RH: 0.1%; 0.1°F (0.1°C). Weight: Duct mount: .616 lb (.3 kg); OSA: 1 lb (.45 kg). Agency Approvals: CE