

225-RHP Series Humidity & Temperature Transmitters

The **225-RHP Humidity & Temperature Transmitters** combine the voltage or current humidity and temperature transmitter outputs. The polymer capacitance humidity sensor is not affected by condensation, fog, high humidity, or contaminants. The sensor probe is protected by a sintered filter.

The optional **380-RHRS Solar Radiation Shield** protects outside air humidity transmitters from rain and radiated heat. The pipe mounting bracket fits 3/4" to 1-1/2" iron pipe.

Specifications

Relative Humidity Range: 0 to 100% RH
Temperature Range: -40 to 140°F (-40 to 60°C)
Accuracy, RH: ± 2% 10-90% RH @ 25°C
Accuracy, Solid State Temperature Sensor: ± 0.9°F @ 72°F
 (± 0.3°C @ 25°C)
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)
225-RHP-2S11 4-20 mA Loop Powered:
 Power Requirements: 10-35 Vdc
 Output Signal: 4-20 mA
225-RHP-2S33 0-5V Output:
 Power Requirements: 15-35 Vdc or 15-29 Vac
 Output Signal: 0-5V @ 5 mA max
Response Time: 15 seconds
Electrical Connections: Removable screw terminal block
Drift: < 1% RH/year
Enclosure: Polycarbonate
Enclosure Rating: NEMA 4X (IP65)
Weight: 1 lb (.45 kg)
Agency Approvals: CE

Ordering Information

225-RHP-2S11	Humidity & Temperature Transmitter, 4-20 mA loop-powered
225-RHP-2S33	Humidity & Temperature Transmitter, 0-5Vdc
330-0524	Cable, per foot
380-RHRS	Solar Radiation Shield



225-RHP-2S11 Humidity/Temperature Transmitter 4-20mA



225-RHPS Solar Radiation Shield