

High-Temperature Relative Humidity/Temperature Transmitters



HX15 Series



- ✓ -40 to 180°C (-40 to 356°F)
Operating Range
- ✓ Remote Stainless
Steel Probe (Included)
- ✓ 79 mm (3") Long
Wall-Mounted Probe
- ✓ 229 mm (9") Long
Duct-Mounted Probe
- ✓ Accuracy: 2% RH, 0.5°C
- ✓ RoHS 2 Compliant

The HX15 Series 2-wire remote transmitters measure relative humidity and temperature over a large temperature range -40 to 180°C (-40 to 356°F). The HX15-W stainless steel probe is used for wall mounting. The HX15-D stainless steel duct probe has a removable flange. These probes are connected to housings with 1 m (40") PFA cables. Probes are not field replaceable.

Specifications

Accuracy:

Relative Humidity: ±2% RH, 3% to 95% @ 25°C (77°F); ±0.05% RH/°C for -40 to 150°C (-40 to 302°F)

Time Constant: 30 s, 90% response, 1 ms moving air

Temperature: ±0.5°C (1°F), -40 to 180°C (-40 to 356°F); time constant 4 s, 60% response, 1 ms; moving air



All shown smaller than actual size.

Sensors: RH, thin polymer capacitor; temperature, 1000 Ω Platinum RTD
Power: 7 to 30 Vdc
Outputs: 4 to 20 mA for 0 to 100% RH and 4 to 20 mA for -40 to 180°C (-40 to 356°F)
Operating Temperature Range:
Electronics: ABS enclosure NEMA 4X (IP66), -20 to 70°C (-4 to 158°F)
Probes: -40 to 180°C (-40 to 356°F)

Dimensions:

Electronics:

55 H x 80 W x 120 mm L

(2.16 x 3.14 x 4.72"); wall mount
Wall Mount Probe: 79 x 16 mm D
 (3 x 0.625"), 1 m (40") PFA cable,
 metal wall mounting clip

Duct Probe: 229 x 16 mm D
 (9 x 0.625"), 1 m (40") PFA cable,
 removable and adjustable duct flange

To Order

Model No.	Description
HX15-W	Wall-mounted RH/temp transmitter [79 mm (3") probe]
HX15-D	Duct-mounted RH/temp transmitter [229 mm (9") probe]
PSU-93	Power supply, unregulated 16 to 23 Vdc, 300 mA max

Comes complete with operator's manual.

Ordering Example: HX15-W, wall-mount RH/temp transmitter with 4 to 20 mA outputs.