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

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 mm x 16 mm D
(3 x 0.625”), 1 m (40”) PFA cable, metal wall mounting clip
Duct Probe: 229 mm x 16 mm D
(9 x 0.625”), 1 m (40”) PFA cable, removable and adjustable duct flange

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>HX15-W</td>
<td>Wall-mounted RH/temp transmitter [79 mm (3&quot;) probe]</td>
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<tr>
<td>HX15-D</td>
<td>Duct-mounted RH/temp transmitter [229 mm (9&quot;) probe]</td>
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<tr>
<td>PSU-93</td>
<td>Power supply, unregulated 16 to 23 Vdc, 300 mA max</td>
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Comes complete with operator’s manual.
Ordering Example: HX15-W, wall-mount RH/temp transmitter with 4 to 20 mA outputs.