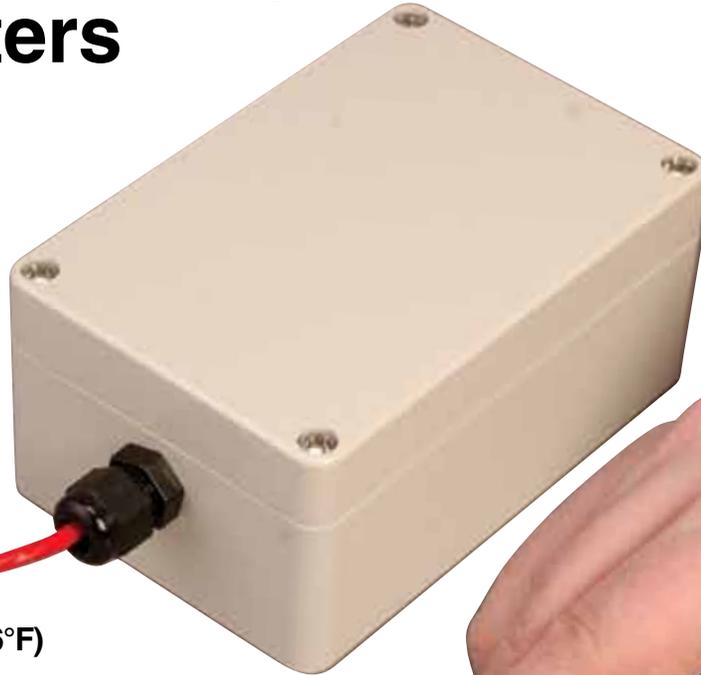


# High-Temperature Relative Humidity/Temperature Transmitters

TRODEKS®

## 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

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 79 mm (3") stainless steel probe is used for wall mounting. The HX15-D 229 mm (9") stainless steel duct probe has a removable flange. The 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

**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.