

HTemp-1Wire - Humidity & Temperature sensor

Digital temperature and humidity sensor for indoor usage. The sensor is designed for using with the Poseidon, Ares, HWg-STE and other HW group products.

You can have several parallel sensors on one RJ11 sensor port. Each one sensor is identified by a unique serial number.



HTemp-1Wire 3m -30°C to +80°C



HTemp-1Wire Box2 -10°C to +80°C



HTemp-1Wire Rack19
-10°C to +80°C

Technical parameters

Temp. sensor resolution

•	Sensor measured range	-30°C / -10°C to +80°C 0 - 100% RH	(-22°F / 14°F to +176°F) (Relative Humidity)

•	Temp. measuring accuracy	± 0.1 °C in range from +20°C to +40°C ± 0.3 °C (-10°C to +70°C)
•	RH Accuracy	± 1% RH, 20 - 80%RH non-condensing, 25 °C
•	RH Linearity & Hysteresis	<2% RH typical, ±2% RH span maximum

±0.2% RH

0.1 °C

Communication 1-Wire bus (Data, GND, +5V) - RJ11

• HTemp-1Wire 3m

RH Repeatability

- Probe dimension 78 x 9.5 x 6 mm, cable 3m
- Montage drill 1x Ø3mm



HTemp-1Wire Rack19

- Probe dimension 83 x 44 x 18 mm, 2x RJ11, cable 3m included
- Montage drill 2x Ø6mm



• HTemp-1W Box2

- Probe dimension 80 x 68 x 31 mm, 2x RJ11, cable 3m included
- Montage drill 2x Ø3mm



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Sensors & Accessories

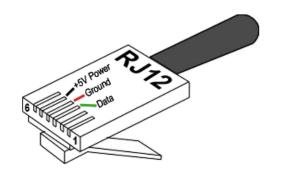


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Temperature & Humidity sensors & Accessories					
HTemp-1Wire 3m	Temperature & Humidity sensor (-30 to +80°C, 0 to 100% RH). 3 meter long cable with 1-Wire connector RJ11, encased in black covering.				
HTemp-1Wire Box2	Temperature & Humidity sensor (-10 to +80°C, 0 to 100% RH). Boxed sensor designed for internal use, 2x RJ11 daisy-chainable 1-Wire, 3m cable included.				
HTemp-1Wire Rack19	Temperature & Humidity sensor (-10 to +80°C, 0 to 100% RH). 1U rack mount housing, 2x RJ11 daisy-chainable 1-Wire, 3m cable included. Sensor designed for 19" rack cabinets.				
Humid-1Wire 1m / 3m / 10m	Humidity sensor (0 to 100% RH) on a 1m / 3m / 10m long cable with 1-Wire connector RJ11, encased in black covering.				
HTemp-1Wire Outdoor 3m	Temperature & Humidity outdoor sensor (-30 to +85°C, 0 to 100% RH). 3 meter long cable with 1-Wire connector RJ11. Sensor encased in outdoor metal tube.				
T-Box	Hub for connecting 1 to 5 sensors to 1-Wire bus (5x RJ11), 10 cm connecting cable.				
T-Box2	Hub for connecting 1 or 2 sensors to 1-Wire sensors (RJ11), 3 m connecting cable.				
Temp-1Wire 3m IP67	Temperature sensor (-10°C to +80°C), on a 3 meter long cable with 1-Wire connector RJ11. Watertight (IP67) sensor probe, stainless steel 17241.				
Temp-1Wire 10m IP67	Temperature sensor (-10°C to +80°C), on a 10 meter long cable with 1-Wire connector RJ11. Watertight (IP67) sensor probe, stainless steel 17241.				
Temp-1Wire 1m / 3m / 10m	Temperature sensor (-10°C to +80°C), on a 1 / 3 / 10 meter long cable with 1-Wire connector RJ11, encased in white covering.				
Temp-1Wire-Outdoor 3m	Temperature outdoor sensor (-50°C to +125°C) - Multi-purpose watertight (IP67) sensor probe, stainless steel 17241 with PVC cable 3m, 1-Wire connector RJ11.				
Temp-1Wire-Flat 3m	Temperature sensor for freezers (-30 to +60°C), watertight (IP67) stainless steel 17241 probe, flat cable 3m, 1-Wire connector RJ11.				

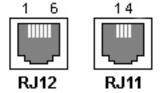
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Connectors



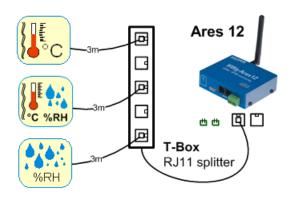
RJ12	RJ11			
3	2	Data	<->	Data 1-Wire
4	3	GND		System Ground
5	4	+5V		Power supply



Sensors wiring examples

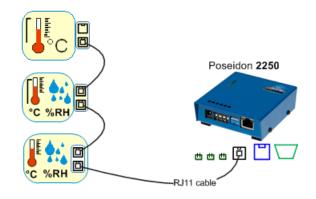
Star topology – 60m in total:

You can use the T-Box or T-Box2 splitters to connect more sensors to one device active port.

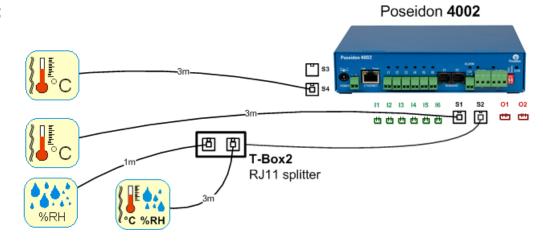


Daisy-chained – 60m in total:

There are two RJ11 female connectors on some sensors.



4x active port, 4x60m:



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