



Precision SDI-12 Air Temperature & Relative Humidity

The HT03 is a high precision air temperature and relative humidity sensor with an SDI-12 interface. The sensor is suitable for use in automatic weather stations for demanding applications. A second version, the HTP03, which includes barometric pressure measurement, is also available.

HT03 Precision Air Temp & RH

The HT03 is a high precision air temperature and relative humidity sensor. Temperature is measured with a PT1000 sensing element with 0.1°C accuracy. Relative humidity is measured using a precision sensing element mounted on a ceramic substrate. The humidity sensor element is field replaceable.

Parameter	Specification
Power Supply	6 to 17 V DC
Dimensions	Length 100 mm Diam 16 mm
Temperature	
Accuracy	-40 to +85 : +/- 0.1 °C
Resolution	0.01 °C
Measuring Range	-40 to + 85 °C
Relative Humidity	
Accuracy	0 to 80 : typ +/- 1.8%, max +/- 4% 90 to +100: typ +/- 3%, max +/- 4%
Resolution	0.04%



HTP03 Precision Air Temp, RH & BP

The HTP03 records air temperature, relative humidity and barometric pressure. It shares the same form factor and SDI-12 interface as the SDI-TR-HP.

Parameter	Specification
Barometric Pressure	
Measuring Range	300 to 1100 hPa
Accuracy	+/- 1 hPa
Resolution	-0.02 hPa



Ordering

HT03P	HT03 High Precision SDI-12 air temperature and relative humidity sensor
HTP03	HTP03 High Precision SDI-12 air temperature, relative humidity and barometric pressure
SDI-TRH-HP-SCN	HT03 High Precision SDI-12 Temp RH with radiation screen
SDI-TRHBP-SCN	HTP03 High Precision SDI-12 Temp RH, BP with radiation screen

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