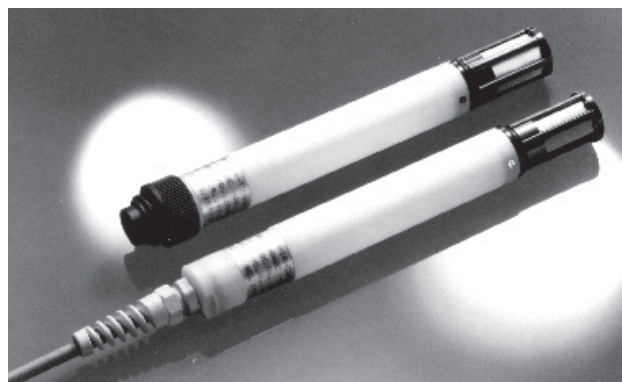


AT/RH HIGH ACCURACY SENSOR 5600-0311 & 5600-0313



COMBINED HUMIDITY AND TEMPERATURE SENSORS PRIMARILY FOR OUTDOOR APPLICATIONS



FEATURES

- Suitable for remote monitoring applications
- Energizing required for only 0.25 seconds during each measurement
- Easy to read linear output signals
- High accuracy over full range of humidity and temperature
- Precision thermistor in 5600-0313 improves accuracy of temperature measurement. (Output is non-linear so requires an equation in order to compute the temperature.)
- Durable, stable, low maintenance
- Exceptional resistance to contaminants
- Cable lengths available up to 330 ft. (100m)
- Low power consumption, no warm-up time
- Linear voltage outputs
- Can be used over long periods of time without any maintenance or recalibration

ORDERING

5600-0311	Temperature/Humidity sensor, with 10 ft. cable
5600-0313-1	Temperature/Humidity sensor (non-linear temperature) with 10 ft. cable.

ACCESSORIES

5600-0021-2	Radiation Shield, AT/RH, for sensors .5 to 1 in. dia.
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SPECIFICATIONS

Specifications subject to change without notice

RANGE

Humidity :	0 to 100% RH
Temperature:	-40°C to +60°C or -30°C to +70°C

OUTPUT (linear)

Humidity :	0 to 1VDC
Temperature:	0 to 1VDC

5600-0313 is Non-Linear.

MINIMUM LOAD 1000 ohms

ACCURACY ±1.5% from 1 to 100% RH
±0.3° Temperature
+0.1°C for 5600-0313

REPEATABILITY ±0.3%RH and ±0.1°C

HUMIDITY STABILITY Better than 1%RH over a year

RESPONSE TIME 10 seconds (%RH and Temp without filter)

POWER SUPPLY 4.8 to 26.5VDC

POWER CONSUMPTION 10 mA