



# Temp/Humidity Probe Model 5192



## Overview

The Model 5192 Temperature/Humidity Probe is designed primarily for outdoor applications. Operation on DC voltage and a low power consumption rate make the Model 5192 particularly suitable for use in remote locations. Its rugged and field-tested construction allow the Model 5192 to be used over long periods of time without any maintenance or recalibration.

The Model 5192 probe is only energized for 0.25 seconds during each measurement, making it one of the most energy efficient probes of its kind. Although the Model 5192 is designed for use with the Model 1190 Data Collection Platform, the linear output signals are consistent with the requirements of most data acquisition systems.

Parameter	Output Voltage	Range
RH	0–1.0 V DC	0–100% RH
Temperature	0–1.2 V DC	-60°C to +60°C

SENSORS

## SPECIFICATIONS

Parameter	Specification
Humidity Sensor	Thin-Film Capacitor
Temperature Sensor	Pt100 RTD
Operating Temperature Limits	-60°C to +60°C
Humidity Output Signal (Linear)	0–1.0 V DC = 0-100% RH
Temperature Output Signal (Linear)	0–1.0 V DC = -60°C to +60°C
Minimum Load per Output	1 kΩ
Accuracy (at 20°C)	±1% RH ±0.2°C
Response Time	10 s
Setting Time	250 ms
Supply Voltage	4.8–30 V DC
Current Consumption	< 10 mA
Sensor Protection	Wire mesh filter
Cable Length	3 m (10 ft), with 4-pin cannon connector
Cable Weight	0.7 lb (300 g)

## ORDERING INFORMATION

Part Number	Description
5192	Temperture and Humidity Probe
8190	Motor Aspirated Radiation Shield

## DIMENSIONS & WEIGHTS

Size	8.2" x 1.0" diameter (207.5 mm x 25 mm diameter)
Weight	0.15 lb (70 g)
Shipping Dimensions	8" x 10" x 2" (203 mm x 254 mm x 51 mm)
Shipping Weight	1 lb (454 g)



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