

PFMini72

Relative Humidity and Temperature Transmitter



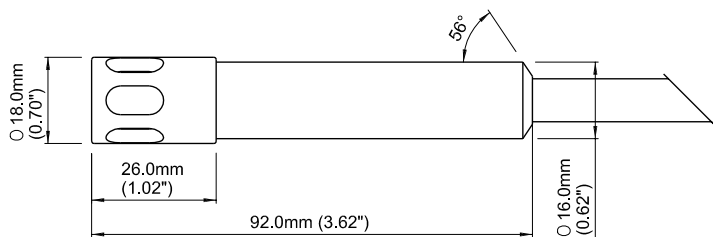
PFMini72 relative humidity probes are equipped with the Hygrosmart relative humidity sensor/converter. This interchangeable module has miniaturized electronics and does not require recalibration.

Highlights

- Designed for meteorological applications
- Based on the interchangeable Hygrosmart module

Technical Specifications	
Performance	
Measurement range (RH)	0–100% RH
Measurement range (T)	-20 to +80°C / -4 to +176°F
Accuracy at 23°C / 73°F Humidity	<±2% RH (5–95% RH)
Accuracy at 23°C / 73°F Temperature	±0.2°C (-10 to +50°C) ±0.36°F (14 to 122°F)
Stability – RH Sensor	<±1% RH/year
Response time – RH Sensor	<10 sec typical (for 90% of the step change)
Electrical output/input	
Output signal (RH)	0–1 V
Output signal (T)	0–1 V 3-wire 1/3 DIN Pt100 direct
Supply voltage	5.5–32 VDC
Current consumption	2 mA max
Operating conditions	
Operating humidity Probe, Housing, Storage	0–100% RH
Operating temperature Probe Housing Storage	-20 to +80°C / -4 to +176°F -20 to +80°C / -4 to +176°F -40 to +85°C / -40 to +185°F
Mechanical specification	
Ingress protection	IP65
Housing material	INOX 316L
Dimensions	L=92mm, ø18mm / L=3.62", ø 0.70"
Weight	150g / 5.29oz
Electrical connections	4- or 6-wires output cable, length 2m / 6.5'

Dimensions



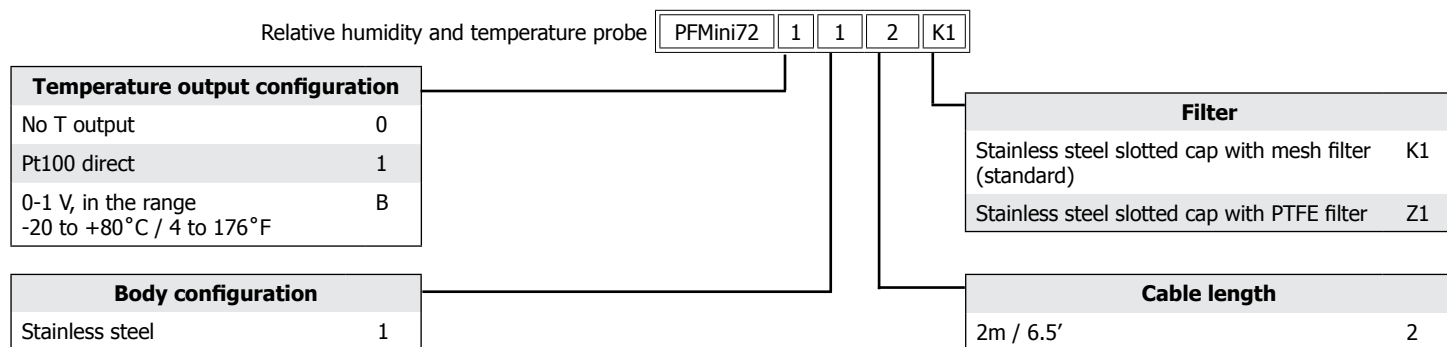
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Accessories and spare parts	
Mounting clip for PFMini72	2510367
Hygrosmart without Pt100	17000.0
Hygrosmart with Pt100	17000.1
Stainless steel slotted cap with mesh filter (standard)	K1
Stainless steel slotted cap with PTFE filter	Z1

Electrical Connections	
4 wire cable	
White	Output RH +
Black	Common ground
Red	Power supply V+
Blue	Output temperature +

6 wire cable	
White	Output RH +
Black	Common ground
Red	Power supply V+
Blue	
Yellow	
Green	

Order codes



Example: PFMini72 1 1 2 K1

Relative humidity and temperature probe PFMini72, Pt100 direct output, stainless steel body with stainless steel slotted cap with mesh filter and 2m /6.5' of cable.

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Ref: PFMini72_97179_V1_UK_1009