

PFMini72

Relative Humidity and Temperature Transmitter



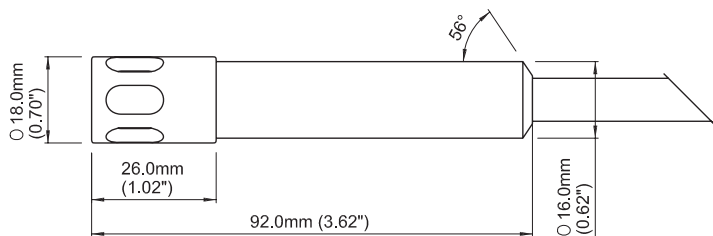
PFMini72 relative humidity probes are equipped with the Hygrosmart relative humidity sensor/converter. This interchangeable module has miniaturized electronics and does not require recalibration.

Highlights

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

Technical Specifications	
Performance	
Measurement range (RH)	0–100% RH
Measurement range (T)	-4 to +176°F / -20 to +80°C
RH Accuracy at 23°C/73°F	<±2% RH (5–95% RH)
Temperature Accuracy	±0.36°F (14 to 122°F) ±0.2°C (-10 to +50°C)
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	-4 to +175°F / -20 to +80°C -4 to +175°F / -20 to +80°C -40 to +185°F / -40 to +85°C
Mechanical specification	
Ingress protection	IP65
Housing material	316L
Dimensions	L=3.62", ø0.70" / L=92mm, ø18mm
Weight	5.3oz / 150g
Electrical connections	4 or 6-wire output cable, length 6.5ft / 2m

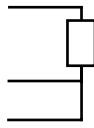
Dimensions



PFMini72

Accessories and spare parts	
Mounting clip for PFMini72	2510367
Hygrosmart without Pt100	17 0 00 0
Hygrosmart with Pt100	17 0 00 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 return
Red	Power supply V+
Blue	Output temperature +

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

Order codes

Relative humidity and temperature probe PFmini72 1 1 2 K1

Temperature configuration	
No T output	0
Pt100 direct	1
0-1 V, corresponds to -4 to 176 °F / -20 to +80 °C	B

Body configuration	
Stainless steel	1

Filter	
Stainless steel slotted cap with mesh filter (standard)	K1
Stainless steel slotted cap with PTFE filter	Z1

Cable length	
6.5ft / 2m	2

Example: PFmini72 1 1 2 K1

Relative humidity and temperature probe PFmini72, Pt100 direct output, stainless steel body with stainless steel slotted cap, mesh filter and 6.5ft / 2m 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: PF72_1001US_P



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