

PFMini72

Relative Humidity and Temperature Probe

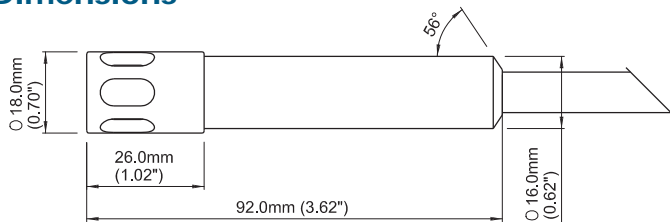
PFMini72 relative humidity probes are equipped with the Hygrosmart relative humidity sensor/ converter. This interchangeable module has miniaturized electronics and does not require recalibration.



Highlights

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

Dimensions



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	<±1.5% RH (5–95% RH)
Accuracy at 23°C (73°F) Temperature	Pt100 direct: ±0.2°C Voltage version: ±0.5°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 or 3-wire 1/3 DIN Pt100 direct
Supply voltage	6 to 32 V DC
Current consumption	2 mA max
Operating conditions	
Operating temperature	
Probe	-20 to +80°C (-4 to +176°F)
Housing	-20 to +80°C (-4 to +176°F)
Storage	-40 to +85°C (-40 to +185°F)
Mechanical specification	
Ingress protection	IP65 (NEMA 4 level)
Housing material	316L
Dimensions	L=92mm, ø18mm (L=3.62", ø0.70")
Weight	150g (5.29oz)
Electrical connections	4- or 6-wire output cable, length 2m (6.5')

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	

Michell Instruments 48 Lancaster Way Business Park, Ely, Cambridgeshire, CB6 3NW

Tel: +44 (0) 1353 658000, Fax: +44 (0) 1353 658199, Email: info@michell.com, Web: www.michell.com/uk

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

Issue No: PFMini72_97179_V5_UK_0615