

PC62 & 62V

Digital Relative Humidity & Temperature Probe with Digital or Analog Output

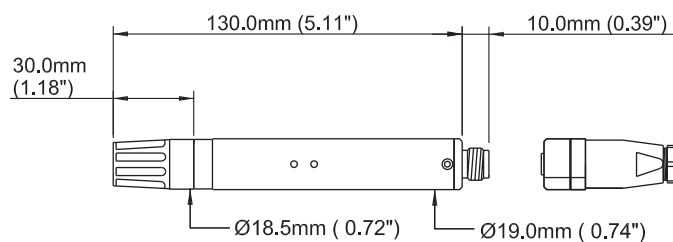
The PC series offers a comprehensive range of relative humidity probes for accurate, stable and repeatable measurements. Available with analog or digital output signals, the PC series can be installed in a wide variety of applications.



Highlights

- PC62 is designed for high accurate measurements in precision manufacturing applications
- Digital or analog output possible on the PC62
- PC62 available with calculated absolute humidity, dew point or wet bulb temperature output

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	<±2% RH (10–90% RH)
Accuracy at 23°C (73°F) Temperature	±0.2°C (±0.36°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	0–1, 0–5, 0–10 V, RS232, RS485
Supply voltage	14–30 V DC (for 0-5 / 0-10 V / RS485 / RS232 output) 5–30 V DC (0–1 V output)

Operating conditions

Operating temperature	
Probe, Housing	-30 to +85°C (-22 to +185°F)
Storage	-40 to +85°C (-40 to +185°F)

Mechanical specification

Ingress protection	IP65 (NEMA 4 level)
Housing material	Molded polymer or stainless steel (ordering option)
Dimensions	L=130mm, ø19mm (L=5.11\", ø0.74\")
Weight	30g (1.06oz) (molded polymer) without cable
Electrical connections	M12

Electrical Connections

Voltage output		
Cable	Connector	
White	Pin 1	Power Supply V +
Green	Pin 4	Output RH +
Yellow	Pin 2	Output temperature +
Brown	Pin 3	Common ground

Cable	Connector	RS232	RS485
White	Pin 1	Power supply V +	Power Supply V +
Green	Pin 4	TX	TX/RX +
Yellow	Pin 2	RX	RX/TX -
Brown	Pin 3	Ground	Ground

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

Issue No: PC62&62V_97209_V3_UK_0616