# PCMini52

**The microprocessor control and multi-point calibration gives the digital PCMini52 Digital RH transmitter excellent performance in terms of accuracy and linearity.**

| Feature | Item | Description |
|---|---|---|
| **Product Parent Code: PCMINI52-S/PCMINI52-X**<br>**Relative Humidity & Temperature Mini Probe (ø12mm (0.47") with slotted protection cap, black)** | | |
| **Product Ordering Code {Feature A}+{Feature B}+{Feature D}+{Feature E}+{Feature F}+{Feature G}** | | |
| **Feature** | **Item** | **Description** |
| **Feature {A}** | **Base Model** | |
| | PCMINI52-S | Base unit (SS body) |
| | PCMINI52-X | Base unit (Molded polymer body) |
| **Feature {B}** | **Signal Output** | |
| | 3 | 0-10 V |
| | 4 | 0-5 V |
| | 5 | 0-1 V |
| **Feature {C}** | **No longer required (product configuration changed (June 2016))** | |
| **Feature {D}** | **Moisture Signal** | |
| | H | RH |
| | D | Calculated dp temp *(Range (Td) -40 to +60ºC (-40 to +140ºF)  - Only possible with Temp Signal T1)* |
| | A | Calc absolute humidity (Abs) *(Range Abs from 0-200g/m$^3$  - Only possible with Temp Signal T1)* |
| | W | Calculated wetbulb temp *(Range (Tw) -40 to +60ºC (-40 to +140ºF) - Only possible with Temp Signal T1)* |
| **Feature {E}** | **Temperature** | |
| | X | No T output (Not available with 0 - 10 V) |
| | T0 | 0 to +100ºC  (32 to +212°F) |
| | T1 | -20 to +80ºC  (-4 to +176°F) |
| | T3 | 0 to +50ºC  (32 to +122°F) |
| | T6 | -40 to +60ºC  (-40 to +140°F) |
| | TX | Other output range available on request |
| **Feature {F}** | **Cable with Mating Connector** | |
| | CA | No cable |
| | CB | 12mm (0.47") connector with 2m (6.5') cable |
| | CC | 12mm (0.47") connector with 5m (16') cable |
| | CD | 12mm (0.47") connector with 10m (32.8') cable |
| | CE | 12mm (0.47") Connector with 20m (25.6') cable |
| **Feature {G}** | **Filter** | |
| | F03 | 12mm (0.47") Slotted protection cap, black (standard) |
| | F18 | 12mm (0.47") PVDF filter with protection cap, black |
| | F22 | 12mm (0.47") Mesh filter with protection cap, black |
| | F23 | 12mm (0.47") Flat SS sintered dust filter |
| | F28 | 12mm (0.47") Arrow 20 µm SS sintered filter |
| | F46 | 13mm (0.51") HDPE protection cap |

## Ordering Example

| | |
|---|---|
| PCMINI52-X+4+H+T1+CA<br>+F03 | Relative humidity and temperature mini probe PC52,  0-5V output, molded polymer, 0-100% RH signal, -20 to +80ºC temperature range, no cable, 12mm slotted protection cap, black |

# PCMini52 ACCESSORIES AND SPARE PARTS

| Order Codes | Product / Description |
|---|---|
| A000003 | 12mm (0.47") Slotted protection cap black |
| A000017 | 12mm (0.47") PVDF filter |
| A000018 | 12mm (0.47") PVDF filter w/ protection cap black |
| A000022 | 12mm (0.47") Mesh filter w/ protection cap black |
| A000023 | 12mm (0.47") Flat SS sintered dust filter |
| A000028 | 12mm (0.47") Arrow 20µm SS sintered filter |
| A000033 | 12mm (0.47") connector with 2m (6.5') cable |
| A000036 | 12mm (0.47") connector with 5m (16') cable |
| A000037 | 12mm (0.47") connector with 10m (32.8') cable |
| A000322 | 12mm (0.47") Connector with 20m (25.6') cable |
| A000046 | 13mm HDPE Protection cap |
| A000101 | 1/2" NPT SS adj. fitting for SS probes |
| A000111 | Al mounting flange for ø12mm (0.47") SS probes (outside ø40mm (1.57")) |
| A000120 | ø90mm (3.54") WM weather prot. cap (for ø19mm (0.75") probes) |
| A000125 | ø120mm (4.72") WM weather prot. cap (for ø19mm (0.75") probes) |
| A000321 | 12mm (0.47") connector without cable (with solder terminal) |
| A000321-xx | 12mm (0.47") connector      - Connector |
| xx = total length - i.e. A000321-20 |                    - Cable (price per meter) |

**Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: PCMini52_97176_V2_UK_0618**