



Humia B3 probe (pcb model v2)

Description

Humia B3 probe is a temperature (T) and relative humidity (RH) sensor probe used with Humia B3 radio unit. Humia B3 probes have a special self-healing property where sensors are heated individually if their measured relative humidity exceeds given limit. By default, the probes are equipped with internal polyester membrane filter that protects the sensor from dust and water. Also, a finger guard is mounted on top of the sensor. Upon request, the finger guard can be replaced by different caps depending on measurement conditions (continuous high RH / oil / fine dust)

Specifications

Sensor head dimensions:	40 x 12 mm (length x diameter)
Length of sensor probes:	1 – 5 metres or 5 cm stub for ambient
Recommended temperature (T) range:	0 C – 50 C (maximum -30 C – 60 C)
Recommended RH range:	20 – 80 % (maximum 0 – 100 %)
RH accuracy:	+/- 3 %RH in recommended range +/- 5 %RH in maximum range
Temperature accuracy:	+/- 0.3 C in recommended range +/- 0.6 C in maximum range
Self-healing limit in probes	90 %RH