



Humia B3 (pcb model v2)

Description

Humia B3 is a wireless, battery-operated temperature (T) and relative humidity (RH) sensor with extensive analysis, control and alarm features. It operates in Sigfox radio network and data is directly available at cloud.humia.fi for registered users. Up to three T/RH sensor probes can be connected to Humia B3. Please see separate brochure of the probes. Humia B3 has a special self-healing property where sensors are heated individually if their measured relative humidity exceeds given limit. Mobile application available for Android devices at Google Play.

Specifications

Enclosure dimensions:	80 x 104 x 54 mm (width x length x height)
Length of external sensor probes	1 – 5 metres
Mounting holes	diameter 4.8mm, distance 89 mm
Weight:	167 grams (with 2 x AA lithium batteries)
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
Measurement interval:	adjustable via internet
Maximum deviation of internal clock:	+/-2 min in 1 hour
Battery (2 x AA) life:	3 years without self-healing (Energizer Ultimate Lithium AA)