

THP: Combined sensor

datasheet

Atmospheric pressure, temperature and humidity sensor for smart sensors from Papouch s.r.o. Silicone cable with length according to chosen variant.



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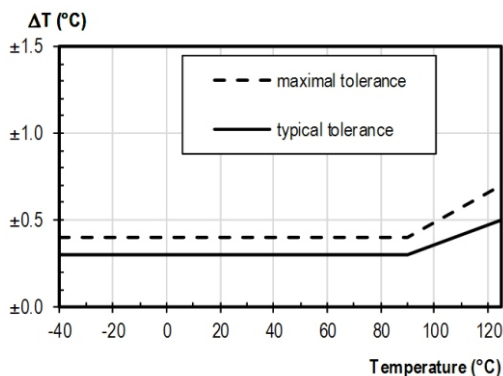


Figure 1: Sensor with cable and example of displaying values on the Papago METEO website

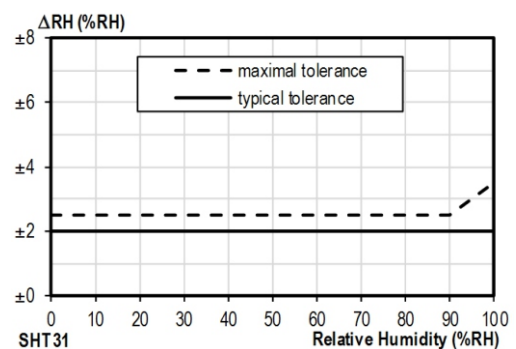
Technical parameters

- Atmospheric pressure measurement range 50 to 110 kPa
- Accuracy ± 0.4 kPa
- Measured temperature range (T) -40 to $+125$ °C
- Temperature measurement accuracy see graph 1
- Humidity measurement range (H) 0 to 100 %
- Recommended measurement range. 20 to 80 %
- Humidity measurement range see graph 2
- Probe tip dimensions prism, $40 \times 16 \times 10$ mm
- Probe tip material anodized aluminium
- IP coverage IP 54
- Used TH sensor type SHT31
- Sensor cable - diameter 4.7 mm
- Sensor cable - material blue silicone rubber
- Sensor cable - temperature range. -60 °C to $+200$ °C

- Available variants:**
- 1 m...SNS_THP_1m
 - 3 m...SNS_THP_3m
 - 5 m...SNS_THP_5m
 - 10 m...SNS_THP_10m
 - 15 m...SNS_THP_15m
 - 20 m...SNS_THP_20m



Graph 1: Temperature measurement accuracy



Graph 2: Humidity measurement accuracy