

User manual **TPH 1m**

TPH 1m is a combined temperature and humidity sensor with direct connection to digital clocks of the DC, DSC, DA series.

Properties



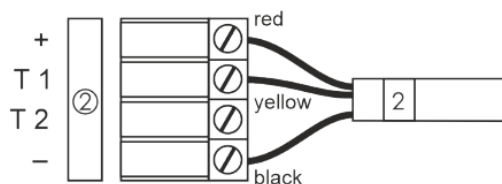
- relative humidity and temperature measurement
- calibrated digital signal
- full range temperature compensated
- long transmission distance up to 100 meters
- low power consumption

Technical specification	TPH 1m
Scope of measured temperatures	- 40 °C to +80 °C
Measuring accuracy	±0,3 °C at 25 °C
Humidity range	0 %-100 % RH
Measuring accuracy	+/-2 %, max. +/-5 %,
Resolution or sensitivity	0,1 % RH / 0,1 °C
Power supply	3,5–5,5 VDC
Sensor Dimensions	Ø 16 x 100 mm
Sensor connection cable	1 m

Connection to digital clock DC, DA and DSC, settings:

- One combined TPH 1m sensors can be connected to the DC, DSC and DA digital clocks.

The sensor is connected to the connector JP2 – TEMP, wire connection:



- enter clock MENU, move to the SW version item, keep pushing both buttons on the frame or the **DISP** button on the remote control for a long time, thus entering the service menu
- set item **C5** of the service menu to value **2**, by pushing **OK** button on the remote control or long pushing the button **PB1** confirm the setting and exit the service menu
- the digital clock will start displaying the measured temperature and humidity within approx. 30 seconds

- in submenu item **P12** you can set the correction of the measured temperature in the range -9 to + 9 ° C (° F) for temperature sensor
- enter the submenu by pushing the **SET** on remote control or by long pushing of the button **PB1** on the clock frame when item **P12** is displayed
- the display shows **c1: 0**, the item to be set is blinking, set correction for temperature sensor no. 1 using the + - buttons on the remote control or by pushing the button **PB2** on the frame, the adjusted digit value is increased in steps of 1
- after pushing the button **>>** on the remote control or the button **PB1** on the frame, the display will show **c2: 0** (temperature 2 is not supported for TPH sensor 1m)
- by pushing **OK** button on the remote control or long pushing the button **PB1**, the entered values are stored and the clock returns to the menu item **P12**

Warranty and repair

- device meets the following standards:
 - IEC 62368-1 - electrical safety
 - EN 55032, EN 55024, EN 50121-4 – EMC
- The warranty does not apply to defects caused by
 - Improper handling or intervention
 - Chemical effects
 - Mechanical damage
 - The intervention of external events (natural disaster, etc.)