

PRODUCT DESCRIPTION

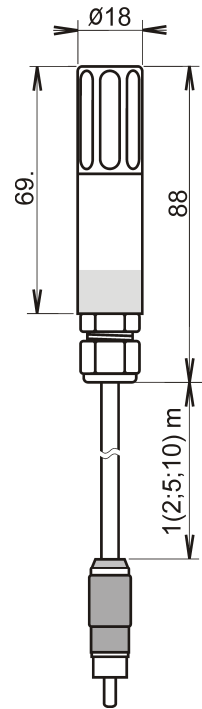
DSRHxx humidity-temperature probe for Web Sensor P8xx1 is designed to measure temperature (°C or °F) and relative humidity in non-aggressive environment. The integral part of the probe with digital sensor is cable with CINCH connector.

Digital sensor for temperature and relative humidity measurement can be adjusted by the user using the free *TSensor* program (see www.cometsystem.cz)

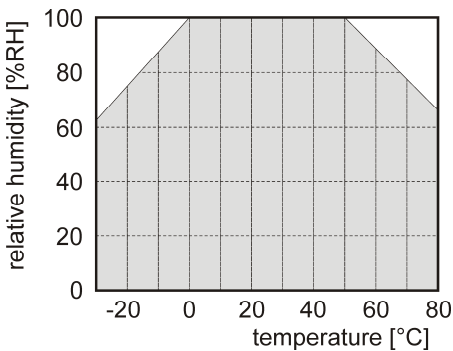
Probes are supplied with a cable lengths of 1, 2, 5 or 10m (last two digits of the probe name indicate the cable length).

TECHNICAL SPECIFICATION

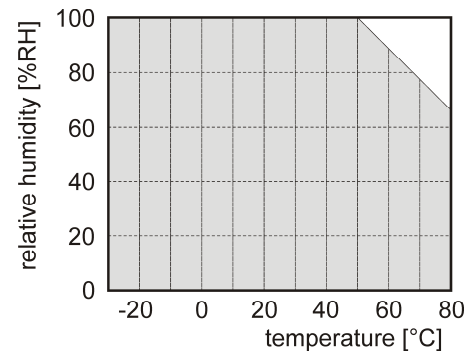
Temperature measuring range	0 to +50 °C
Accuracy of temperature measurement	± 2 °C from 0 to +50 °C
Relative humidity measuring range	10 to 90 %RH
Accuracy of relative humidity measurement	±3.5 %RH from 10 to 90 %RH at temperature 25 °C
Protection class	IP40
Filtering ability of the sensor cover	0.025 mm – filter with stainless mesh
Recommended calibration interval	1 year
Mounting position	any position



Operating environment (without condensation)



Storage environment (without condensation)



INSTALLATION AND OPERATION

Place the probe into the measured area. Turn off the power supply of the Web Sensor P8xx1, connect the probe and turn on the power again. Using *TSensor* program or web interface find this “new” probe and finally check the measured values. Pay attention to the location of the probe. Incorrect choice of working position could adversely affect accuracy and long-term stability of measured values.

Probe don't require any special maintenance. We recommend you periodic calibration for measurement accuracy validation.

FIRMWARE

To support the DSRH probe is required firmware **version 4-5-5-0** or later. The firmware for Web Sensor P85xx and P86xx is available on the website of the manufacturer or distributor. Error message **Error 9** indicates requirement to update device firmware.

SAFETY INSTRUCTIONS



- Don't use and don't store the probe without the sensor cover.
- It is not recommended to use the probe for long time under condensation conditions.
- Don't connect or disconnect the probe cable while power supply of the Web Sensor is turned on.
- Installation, electrical connection and commissioning should be performed by qualified personnel only.
- The probe contains electronic components, it needs to liquidate them according to legal requirements.
- **To supplement the information** provided in this data sheet, use the manuals and other documentations which are available at www.cometsystem.cz.