

## WATERPROOF THERMO / HYGROMETER PWT-411

**PWT-411** is used for accurate relative air humidity and temperature measurements and dew point determining, what enables deciding whether painting the surface is advisable in the existing conditions.

The measurement is made with a sensor of high accuracy connected with a meter by a cable.

### Characteristic features:

- Large easy to read LCD display enables simultaneous readout of the measuring function and temperature value, and after choosing, the dew point temperature or its value relatively to the environment temperature.
  - The meter is factory calibrated.
  - „HOLD” function to freeze the result on the display.
  - Two power sources, a battery and a power adapter (optional) enable measurements in the field and long lasting work in the laboratory.
  - Memory of 50 results.
  - Automatic switch off function protects the batteries against discharging.
  - The sensor can't be used for measurements in a dusty atmosphere, chambers with chemical, fat, or oil fumes or in presence of aggressive gases.
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- Waterproof housing.
  - Warranty 24 months.



## Technical Data

| Function                             | RH (humidity)                          | temperature     |
|--------------------------------------|--|-----------------|
| Range                                | 0 ÷ 100% RH*                           | -40.0 ÷ 70.0 °C |
| Resolution                           | 0.1% RH                                | 0.1 °C          |
| Accuracy                             | 10÷90% ±2% RH<br>beyond this range ±4% | ±0.8 °C         |
| Reaction time of RH sensor: $t_{90}$ | < 10s                                  | < 8s            |
| Hysteresis                           | < 1% RH                                | -               |
| Long term drift                      | 0.5 % RH/year                          | -               |
| Temperature range of dew point       | -199.9 ÷ 70.0 °C                       |                 |
| Power                                | Battery 9V, adapter 12 V               |                 |
| Dimensions (mm)                      | L=149, W = 82, H = 22                  |                 |
| Weight                               | 180 g                                  |                 |

\*condensation of water on the sensor requires drying, wet sensor has wrong indications.