

WATERPROOF THERMO / HYGROMETER PWT-105

- Used for accurate relative air humidity and temperature measurements.
- The measurement is made with a high accuracy sensor.
- The meter additionally determines the dew point.
- Minimised size, good accuracy.
- Waterproof housing (IP-67).
- It is possible to choose head with the following humidity sensors:
 - GH-105** with a humidity sensor, without cable,
 - GH-105 k** with a humidity sensor and cable,
 - GH-105 p** with a humidity sensor and connector for a surface temperature probe added – comparing the surface temperature with the dew point enables to decide whether painting on the surface in existing conditions is advisable.
- Automatic switch off function protects the batteries against discharging.
- Warranty 24 months.

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.



Function	Humidity	Temperature
Range	0 ÷ 100% RH*	-40 ÷ 70 °C
Resolution	0.1%	0.1°C
Accuracy	In range 10 ÷ 90% ±3 % RH beyond this range ±4% RH	±0.8 °C
Reaction time: t ₉₀	< 10s	< 8s
Hysteresis	< 1% RH	-
Sensor long term drift	0.5% RH/year	-
Temp. range of the surface	-50 ÷ 100 °C	
Dew point range	-199.9 ÷ 70 °C	
Power	3 x 1.5V (LR44) batteries	
Dimensions	L=152 mm φ 26 mm	
Weight	70 g (with head GH-105)	

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

ELMEIRON® Sp. j.

41-814 Zabrze, Witosza 10 POLAND

tel. +48 32 2738106

www.elmetron.pl e-mail: info@elmetron.com.pl