

TEMPERATURE · PRESSURE · RELATIVE HUMIDITY

Temperature, pressure and relative humidity data logger

Simultaneous acquisition of temperature, atmospheric pressure and relative humidity, with timestamps, local display and microSD memory.



TEMPERATURE

±0.3 °C

typical sensor accuracy

PRESSURE

300 - 1100 hPa

relative accuracy ±0.12 hPa

HUMIDITY

0 - 100 %RH

typical accuracy ±2 %RH

DESIGNED FOR STANDALONE OPERATION

A compact solution for weather and environmental monitoring, greenhouses, laboratories and technical applications. All three parameters are acquired and stored synchronously.

ESSENTIAL TECHNICAL DATA

Key specifications and functions

Temperature - resolution	0.01 °C	RH - range	0 - 100 %RH
Temperature - typ. accuracy	±0.3 °C	Pressure - range	300 - 1100 hPa
Temperature - sensor range	-40 / +85 °C	Pressure - relative accuracy	±0.12 hPa
RH - resolution	0.024 %RH	Pressure - typ. absolute accuracy	±1 hPa
RH - typical accuracy	±2 %RH	System operating temperature	-20 / +60 °C

FUNCTIONS

- Temperature, pressure and relative-humidity data logger with timestamp.
- Configurable sampling rate: 1, 2, 5, 10, 30 or 60 s, extendable to longer intervals.
- Daily text files on microSD with standalone recording capacity for years.
- Date and time programmable on the instrument.
- Slope and offset calibration for temperature, pressure and relative humidity.
- Configurable display and acquisition LED.
- Battery-voltage log every 3 minutes and log of calibration-factor changes.

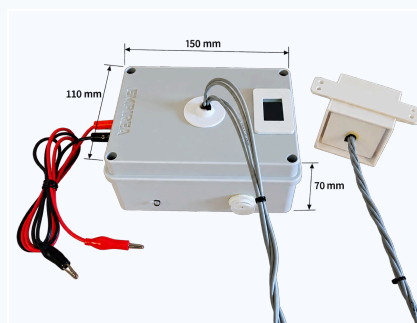
POWER SUPPLY AND MEMORY

Rechargeable 3.7 V - 12,000 mAh lithium battery. 12 V photovoltaic charging: max 1 A with the temperature sensor integrated into the enclosure, max 2.5 A with a remote sensor. Average consumption: 40 mA at 1 s with display off.

AVAILABLE VERSIONS



REMOTE SENSOR



ENCLOSURE DIMENSIONS

Same technical specifications and the same price tiers for both versions.

The -40 / +85 °C ranges refer to the individual sensors; the declared operating temperature for the complete instrument is -20 / +60 °C. The installation image is for illustrative purposes.