



VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

DL-180THP **AMBIENT MONITORING** **DATA LOGGER**

Nº 10 00 33

CE

VERSION 04/10

This compact data logger with a built-in lithium battery is suitable for recording 30000 readings of temperature, humidity and air pressure (10000 each). The saved measurement values can be read out via a USB port and graphically displayed using the accompanying software. The values can also be exported to other software applications for further processing. The data logger is ideal for monitoring greenhouses, warehouses, aircraft cabins, etc.

HIGHLIGHTS

Temperature measuring range from -40 °C to +70 °C //

Humidity measuring range from 0 % to 100 % rH //

Air pressure measuring range from 700 hPa to 1100 hPa //

Sampling rate from 1 minute to 18 hours //

Automatic and manual recording function //

Alarm function //



GENERAL SPECIFICATIONS

OPERATING VOLTAGE: 3.6 V/DC lithium battery 1/2AA **TEMPERATURE MEASURING RANGE:** -40 °C to +70 °C **REL. AIR HUMIDITY MEASURING RANGE:** 0 % to 100 % rH **AIR PRESSURE MEASURING RANGE:** 700 - 1100 hPa **DIMENSIONS (W x H x D):** 142 x 28 x 25 mm **WEIGHT:** 40 g

TECHNICAL DATA

Max. measuring data:	10000 for temperature 10000 for air humidity 10000 for air pressure
Temperature accuracy:	± 1 °C (0 °C to +40 °C) ± 2 °C (residual range)
Rel. air humidity accuracy:	± 3.5 % (20 % to 80 %) ± 5 % (residual range)
Air pressure accuracy:	± 2.5 hPa (0 °C to 50 °C) ± 4 hPa (residual range)
Resolution:	0.1 °C / 0.1 % rH / 0.25 hPa
Measuring interval:	1 min. to 18 hr.
System requirements:	Windows® 98/2000/XP/Windows Vista™

An optional power supply (item no. 51 83 70) can also be ordered. Using the power supply unit requires a USB adapter (can be ordered as item no. 51 31 89).

PACKAGE CONTENT

Data logger // Lithium battery // Wall mount with attachment material (do not use the adhesive pad below +5 °C) // CD with software (for Windows® 98/2000/XP/Vista™) // Operating instructions

This data sheet is published by Voltcraft®, Lindenweg 15, D-92242 Hirschau / Germany, Phone +49 180 586 582 7. The data sheet reflects the current technical specifications at time of print. We reserve the right to change the technical or physical specifications.