Extended range temperature data logger DCMHIT150

CE

- Battery powered compact data logger
- Temperature measurement with integrated RTD sensor
- Memory up to 32.767 measurements
- Programmable start and stop
- Easy export into Microsoft EXCEL™
- Operating temperature -40 °C to +150 °C

DCMHIT150

The DCMHIT150 temperature logger is a rugged, submersible, battery powered, stand alone device which can be used to automatically record temperatures between -200 and +260 °C. This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The DCMHIT150 features a 2" rigid external probe with fast response time to ensure accurate temperature readings and is ideal for use in harsh environments. Ist real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security. The DCMHIT150 makes data retrieval quick and easy. Simply plug the device into an empty USB port and our user-friendly software does the rest.

Temperature Sensor: 50 mm long 100 Ohm Platinum RTD.

Probe Measurement Range: -200 °C to +260 °C; Temperature resolution 0,05°C.

Calibrated Accuracy: +/-0,5 °C

Start Modes: Software programmable immediate start or delay start up to six months in advance.

Memory: Non volatile memory up to 32,767 readings; software configurable memory wrap

Reading Rate: One second up to once every 12 hours.

Calibration: Digital calibration through software.

Calibration Date: Automatically recorded within device.

Battery Type And Life: 3,6 V high-temperature lithium battery included with 1 year typical battery life (1 minute reading @ 25 °C).

Data Format: Date and time stamped °C, °F, K, °R.

Time Accuracy: +/-1 minute/month at 20 °C (RS232 cable not in use).

Computer Interface: PC serial or USB (Interface cable required); 2,400 baud.

Software: Windows XP SP3 / Vista / Windows 7 compatible

Operating Environment: -40 °C to +150 °C, 0 to 100% RH.

Dimensions:
Body: 28 mm x 45 mm diameter
Probe: 50 mm x 5 mm diameter

Weight: 8 oz (225 g).

Material: 316 Stainless steel.

Software features:

1. Graph: Visualisation and analysis of the recorded data of multiple devices and measurements at the same time. Easy toggling between single and multiple visualisation possible.

2. Real time measurement: Visualisation of real time measurement including logging at the same time.

3. Graphical cursor: One click at the graph results in displaying time, measument value, parameters and device number.

4. Data table: Instant access to the data table of the measurement values.

5. Scaling: An automatic scaling function is available for displaying all measured values on one screen. It is also possible to perform a manual scaling.

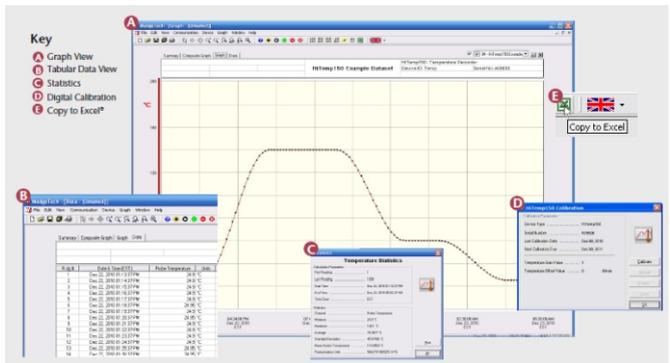6. Format: Individual settings of the graph colour, graph characteristics and much more.

7. Statistic function: Average, Minimum and maximum values, deviation etc. Could be asily created and displayed by one click.

8. Export of data: Export of data in different formats (*.dat; *.csv; *.txt). The export in EXCEL™ with one mouse cklick.

9. Interface: Automatic detection of the serial communication port.

10. Configuration: Die Messrate, Start- und Stopzeiten können einfach eingestellt werden.

11. Print: Printing out of the data and/or graph with one click.

Order information

Type	Order-no.
1-Channel, Temperature Data Logger	DCMHIT150
Accessories:	
Software and USB Interface cable	DCMIFC200