

Temperature data logger TERMIO 31



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Serial number:

Technical control:

Date of sale:

Point of sale's stamp and signature:

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TERMIO-31

Temperature data logger Termio-31 is an accurate thermometer with a possibility of registering up to 32000 data. K type thermocouple probe temperature data logger Termio-31 can measure temperatures from -200°C. to 1400 °C. This solution is perfect to temperature measurement in fridges and freezers or places where the probe is impossible or redundant to put. Results are saved in device's memory in resolution of the 0,1°C. Temperature data logger Termio-31 saves the measurements in 1 sec. frequency. Switching on/off the registration is possible for many times by the keyboard on device's panel or calendar. Then the registered data are formed to files in device's memory and they can be comfortably viewed, printed and saved as .txt or .pdf.

SPECIFICATIONS

Temperature range: -200 to + 1400 ° C with external probe
Resolution: from -200° C to +1000° C: 0.1 ° C; 1° C outside
Accuracy with ST-01 K probe: +/-0,6°C or better in range from 0°C to 200°C
Memory: 32,000 readings
Sample rating interval: from 1 sec
Low battery indication
Alarm indication via display
Alarm Indication LED
Maximum and minimum temperature
Start / Stop recording: from button or from time/clock, adjustable delayed start or end
Dimensions: 45 mm x 100 mm x 19 mm
Protection: IP65- electronics
Battery: 1x lithium battery 3.6V (1 / 2AA) included
Weight: 85 g
Interface: USB

PPRELIMINARY EXAMINATION

Remove the Termio-31 the packing box. Carefully examine thermometer to make sure that no damage has occurred during shipment. Notify to your dealer if there is any damage. Termio-31 is supplied with battery and instructions.

OPERATION

Termio 31 is switched on by pressing ON/OFF/STOP button located on the front of the instrument. Insert the probe in the sample. Wait a few seconds for the display to stabilize, depending on the nature of the measurement that can take few second. Remember: do NOT immerse the probe handle. do NOT wrench the probe or put heavy objects on the cable. If the cable is damaged, the meter needs to be replaced. After use, always switch the meter off.

Recorder Termio-31 has MAX/MIN/START button which allows display:
- current temperature reading
- button allows capture the temperature reading-hold function, reading will be flashing in the display
- the lowest MIN temperature that has been saved
- the highest MAX temperature that has been saved

WAIT symbol in left upper corner means no recording. LOG symbol in left upper corner appear when recording starts.

BATTERY REPLACEMENT

when LO BAT appear on display replace the battery, using a 1/2xAA 3,6V battery. The battery is located under the battery cover at the rear of the instrument, remove the two screws, remove the battery cover and change the battery, paying attention to its polarity. Replace the cover and tighten the two screws.

EMC/RFI

if operated within a high frequency radio field instrument performance may be affected, example: near a mobile phone, or if subjected to an electrostatic shock.

WARRANTY

These meters are guaranteed for one year against defects in workmanship and materials when used for its intended purpose and maintained according to instructions. Probes are guaranteed for a period of six months. This warranty is limited to repair or replacement free of charge. The product guarantee does not cover damages caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. If the repair is not covered by the warranty, you will be notified of the charges incurred. When shipping any instrument, make sure it is properly packaged for complete protection. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

LOGSOFT GUIDE

NOTE: Befor starting instalation of Logsoft connect USB logger cradle with data logger to PC.

SETTING UP THE LOGGER • Connect the logger to the PC via USB cradle. PC symbol should appear on display if data logger is connecting to PC

- Select language
- In MEASUREMENT tab:
 - Enter a name for the logger. SN means serial number
 - Set Date and Time in Clock box

In REGISTRATION tab:

- Select the data storage method in Logging parameter box- After filling memory – single run to stop when full or circular to overwrite oldest data
- Select a way to start the registration/recording in Start registration box
- Using the button, to start recording from button-press the logger button MAX/MIN/START for few seconds, when recording starts LOG symbol appear on display, to stop recording press for few seconds the logger button ON/OFF/STOP

-Using a timer- to start delay about established time, choose date and time in Start logging box for start recording from it

- Directly from coumputer
- Select a way to stop the registration/recording:
 - Using the button, to stop recording from button press for few seconds the logger button ON/OFF/STOP

-Using a timer- to stop delay about established time, choose date and time in Stop logging box for stop recording from it

- Directly from computer- press STOP button in Measurement tab
- Select sample/interval rate in Logging parametes-Period box

In SETTINGS tab:

- Select mode in Temperature, Alarms box- selckt inactive-going beyond minimum temperature threshold will not result in appearing of the symbol "I " in the screen, going beyond maximum temperature threshold will not result in appearing of the symbol " I " in the screen -selectk Always active to symbol "I " and " I " appear always when thresholds will be exceed
- selectk Active when logging to symbol "I " and " I " appear when thresholds will be exceed only when Termio-15 records.

- Select max an min alarm temperature
- Select LED diode box to choose visual LED alarm to start when thresholds will be exceeded.

• To delete alarm symbols "I " and " I " and LED diode alarm after they appearing put logger in cradle and click DELETE button

In RESULT tab

To get datas press Read button.

To delete datas from memory press Delete.

NOTE: When press delete all datas will be remove

To save or see chart selectk data you are interested in and press Chart

or Save button.

NOTE: When logger recording there is no passibility of change settings as interval, clock, calendar, thresholds. To change this settings stop recording.

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