



## Termoprodukt Termio-31 Temperature ST-05K Probe Data Logger -80~80°C with USB cradle (5m)

SKU: TERMIO31ST05K  
Manufacture Warranty period: 12 months  
Country of Origin: Poland

### Introduction

Industrial LCD digital portable temperature data logger with interchangeable thermocouple probes.

Min max temperature logger Termio-31 measures temperature over the range of -200°C to 1400°C, resolution 0.1 °C.

General purpose temperature recorder Termio-31 display provides current temperature reading, min/max temperature, battery indication has also Hold function.

Thermocouple data recorder Termio-31 is priced excluding probe. Termoprodukt offers interchangeable type K thermocouple penetration probes and surface thermocouple probes. Termio-31 can be connected to any K-type probes.

Termio-31 can be connected to a computer via a USB logger cradle. When ordering loggers it is necessary to order at least one USB logger cradle.

Data logger has free software available on our website: download

The software allows to programme the logging sample/interval rate from 1 secs., the real-time clock, user can programme delayed start from clock/calendar or start from button, after filing memory overwriting or stop.

Registered data can be display as graphs, spreadsheet or .txt file.

Termio-31 creates many files with data - each time recording is started and stopped new file is created in memory.

Termio-31 come with stainless steel K type immersion thermocouple probe ST-05 is suitable for measuring the air temperature in fridges, freezers and ovens.

### Features

- Temperature data logger
- Measuring in °C
- Resolution of display: 0.1°C
- Visual inspection shows if limits exceeded
- LED indication alarm exceeded
- Recording start directly from a button or from calendar/clock
- Display of minimal and maximal values
- Low battery indication
- Sample rate from 1sec.
- Protection class IP 65
- Memory 32 000 data
- K type probe socket

## Specifications

Low Temperature ST05 K-type Thermocouple Probe	
Range:	-80°C to 80°C
Accuracy:	-80°C to 20°C: ±0.5°C
	21°C to 45°C: ±1.0°C
	46°C to 80°C: ±2.0°C
Probe diameter	4mm
Probe length	70mm
Cable length	5m
Probe cover	Stainless steel, acid resistant steel SS321
Sensor	K Type thermocouple probe
Resolution	-200 to + 1400 °C depending on external probe

Sample rating interval	from 1 seconds
Memory	32,000 readings
Start / Stop recording	from computer, from button or from time/clock, adjustable delay to start or end
Alarm indication vs display	Yes
Maximum and minimum temperature	Yes on display
Interface	USB Logger Cradle to computer
Dimension	45mm x 100mm x 19mm
Power	1 x lithium battery 3.6V (1/2 AA size) included
Protection	IP65 device
Body material	environmentally-friendly ABS, digital LCD display
Body Weight	85g (include battery)

## Package includes

1 x Termio-31 data logger
1 x ST-05 K-type thermocouple probe with 5m cable
1 x USB logger cradle
1 x Operating Manual

## Certification

- CE

**Notice:** An "USB logger cradle" is needed with USB connection to interface with computer to read and download data from the Termio-31. The cradle can be share with others Termio Data Logger.



LogSoft v6.1

File Language Help

Measurements Registration Settings Results

**Start registration**

About establish time 13/5/2012 12:00:00 pm

Button on the logger

Run registration from computer

**Stop registration**

About establish time 13/5/2012 12:00:00 pm

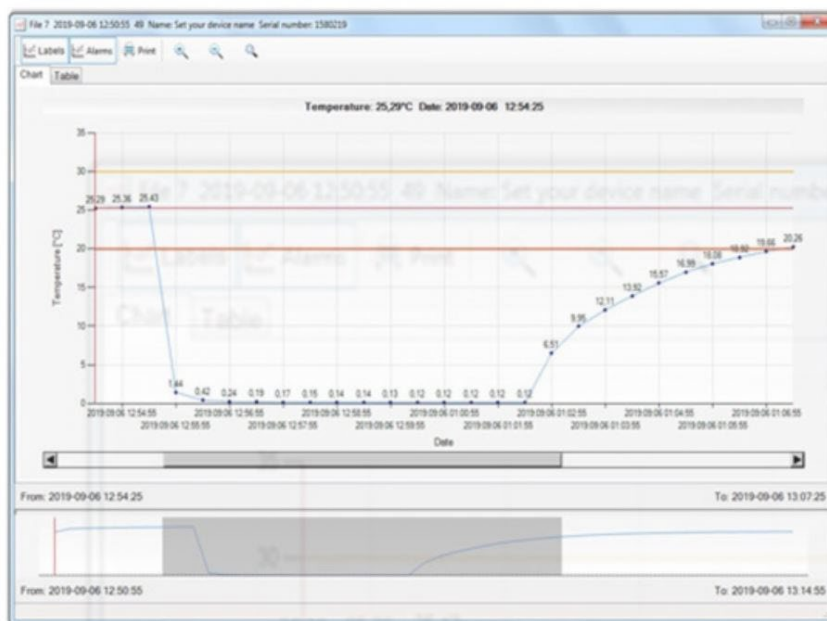
Button on the logger

Stop registration from computer

**Login parameters**

Period:

After filling memory:



File Language Help

Measurements Registration Settings Results

Nazwa	Data	Pomiar
File 1	8/6/2013 11:57:...	101
File 2	16/8/2021 6:46:...	39

File 2  
Start: 16/8/2021 6:46:26 pm Period: 0d:0h:0m:1s  
Number of records: 39

↓

Lp	Date	Time	emperatura
1	16/8/2021	6:46:26 ...	27.04
2	16/8/2021	6:46:27 ...	27.00
3	16/8/2021	6:46:28 ...	26.98
4	16/8/2021	6:46:29 ...	26.96
5	16/8/2021	6:46:30 ...	26.94
6	16/8/2021	6:46:31 ...	26.95
7	16/8/2021	6:46:32 ...	27.77
8	16/8/2021	6:46:33 ...	28.45
9	16/8/2021	6:46:34 ...	28.90
10	16/8/2021	6:46:35 ...	29.24
11	16/8/2021	6:46:36 ...	29.53
12	16/8/2021	6:46:37 ...	29.75
13	16/8/2021	6:46:38 ...	29.94
14	16/8/2021	6:46:39 ...	30.12
15	16/8/2021	6:46:40 ...	30.27

Read  
Delete  
Chart  
Save