

# TM-18 Temperature and load cell data logger



## Overview

TM-18 is a data logger with a seven-inch touch screen display. It provides one channel for pressure measurement and four channels for temperature measurement. For each channel a graph can simultaneously be generated.

The device can be connected to a K-type thermocouple. It provides a fast data entry and clear readings. In addition, users can connect to a computer via USB for instant temperature data output.

## Key Features

- Temperature measurement and recording of up to four channels
- Up to 60K data can be recorded at a time
- The sampling interval can be set between 0.1 seconds and 100 seconds
- Can be connected to a K type thermocouple
- Data storage capacity of 50 groups
- Record of time and date
- Instant temperature data output via USB connection to a computer
- Built-in LCD touch screen provides a fast data entry and clear display
- Easy operation
- User password protection

## Applications

- Temperature measurement and recording
- Measurement of force

Specifications		
<b>Charger</b>	90 to 264VAC $\pm$ 5%, 50~60Hz	
<b>Battery Life</b>	2.5 hours (measurement), 3 hours (standby)	
<b>Operating environment</b>	10°C to 40°C	
<b>Recordable</b>	50 sets	
<b>Maximum data sampling</b>	60K	
<b>Temperature accuracy</b>	$\pm$ 1°C	
<b>Number of channels</b>	4 channels of temperature & 1 channel of load cell	
<b>Sampling interval</b>	0.1 to 100 seconds	
<b>Thermocouple type</b>	<b>Type</b>	<b>Temperature range</b>
	K type	-100°C to 1000°C
<b>Resolution (temperature)</b>	0.1°C	
<b>Measurement accuracy</b>	Pressure measurement range $\pm$ 0.1%	
<b>Units of measurement</b>	Kilogram, gram, pound, Newton	
<b>size</b>	195mm (L) x 135mm (W) x 45mm (H)	
<b>weight</b>	About 800 grams	

*Specifications are subject to change without prior notice.*