

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

Specifications are subject to change without prior notice.