

Simple Logger® II Thermocouple Model L642



Model L642

SPECIFICATIONS

MODEL	L642
ELECTRICAL	
Channels	Two
Input Connection	Two miniature, thermocouple connectors
Measurement Range:	°F (°C)
J	-346 to +2192 (-210 to + 1200)
K	-328 to +2501 (-200 to + 1372)
T	-418 to +752 (-250 to + 400)
N	-328 to +2372 (-200 to + 1300)
E	-238 to 1742 (-150 to + 950)
R	32 to 3212 (0 to 1767)
S	32 to 3212 (0 to 1767)
Resolution	0.1° C/F up to 1000° C/F, 1° above 1000° C/F
Accuracy	0.1% to 0.2% + 0.6° to 1°, depending on the range and T/C type
Sample Rate	8 samples taken at storage interval
Storage Rate	Programmable from 5s to 1 day
Storage Modes	Start/Stop, FIFO and Extended Recording Mode (XRM™)
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	240,000 measurements (512KB) - The recorded data is stored in non-volatile memory and will be retained even if the battery is low or removed.
Communication	USB 2.0 optically isolated
Power Source	2 x 1.5V AA-cell alkaline batteries
Battery Life	100 hours to >45 days (dependent on sample rate and recording length)
MECHANICAL	
Dimensions	4.94 x 2.75 x 1.28" (125 x 70 x 32mm)
Weight (with battery)	7 oz (200 grams)
Case	UL94-V0
Vibration	IEC 68-2-6 (1.5mm, 10 to 55Hz)
Shock	IEC 68-2-27 (30G)
Drop	IEC 68-2-32 (1m)

CATALOG NO.	DESCRIPTION
2126.08	Simple Logger® II Model L642 (Temperature Thermocouple Module)

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Features

- 2 input channels
- User-selectable thermocouple types J, K, T, N, E, R, and S
- Programmable storage rates from 1 every 5 seconds to 1 every day
- 3 user selectable storage modes
- Stores up to 240,000 measurements in non-volatile memory
- Powered by standard Alkaline batteries
- Lightweight, compact, fits anywhere
- 5 LED indicators quickly and clearly display Logger status
- Includes DataView® software FREE for data storage, real-time display, analysis and report generation
- 50V Cat III

Applications

- HVAC monitoring
- Process monitoring
- Refrigeration monitoring
- And many more

Optional Thermocouple Sensors

Please consult factory for more information on available thermocouples.

