## **Model L642**

# Two channel logger records temperature using optional sensors

#### **►**SPECIFICATIONS

MODEL	L642		
ELECTRICAL			
Channels	Two		
Input Connection	Two miniature, thermocouple connectors		
Measurement Range: J K T N E R S	°F (°C) -346 to +2192 (-210 to +1200) -328 to +2501 (-200 to +1372) -328 to +752 (-200 to +400) -328 to +2372 (-200 to +1300) -238 to 1742 (-150 to +950) 32 to 3212 (0 to 1767) 32 to 3212 (0 to 1767)		
Resolution	$0.1^{\circ}$ C/F $< 1000^{\circ}$ C/F; $1^{\circ} \ge 1000^{\circ}$ C/F		
Accuracy	$\pm (0.1\%$ to 0.2% of Reading + 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 per day		
Storage Modes	Start/Stop, FIFO, Extended Recording Mode (XRM <sup>™</sup> )* and Alarm		
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 (included)		
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 (200g)		
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)		

## ► PRODUCT INCLUDES

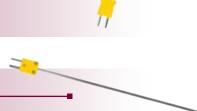






Thermocouple-Needle

Catalog #2126.46 (12 x 5.9") K Type, -58° to 1292°F











#### **▶ FEATURES**

- · 2 input channels
- User-selectable thermocouple types J, K, T, N, E, R, and S (not included)
- Programmable storage rates from 1 every 5 seconds to 1 every day
- · 4 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 FREE DataView® software for data storage, real-time display, analysis and report generation
- Isolated USB 2.0 communication cable included
- EN 61010-1; 50V CAT III

### **►APPLICATIONS**

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

CATALOG NO.	DESCRIPTION		
		PRICE	NIST CALIBRATION
2126.08	Simple Logger® II Model L642 (2-Channel, Temperature Thermocouple, DataView® software)	\$399.00	\$72.00