

Lutron TM-947SD Handheld 4 channel Thermocouple Data Logger with SD Card slot

A hand-held digital thermometers which has four thermocouple input channels, via miniature sockets, and can measure six thermocouple types. It can log a virtually unlimited number of data points to an SD card up to 16GB capacity.

Data is recorded onto the card in .xls format for opening in MS Excel (etc) without the need for other proprietary software. Or alternatively basic PC software for monitoring and data logging by the PC over RS-232 serial link is optionally available at extra cost. An SD card can also be ordered separately.

A version with UKAS ISO17025 calibration is available at our standard points over K, R & T ranges. Or contact us with your bespoke requirements for a price and lead-time.



Specifications

Input	Range	Resolution	Accuracy		Example of Accuracy
Type J	-100 - 1150°C	0.1°C	-100 to -50°C	±0.4% +1.0°C	±2.9°C @ 600°C
			-50 to 1000°C	±0.4% +0.5°C	
		1°C	1000 to 1150°C	±0.4% +1.0°C	
Type K	-100 - 1300°C	0.1°C	-100 to -50°C	±0.4% +1.0°C	±3.7°C @ 800°C
			-50 to 1000°C	±0.4% +0.5°C	
		1°C	1000 to 1300°C	±0.4% +1.0°C	
Type N	Not available in this unit. If required, see our CHY 806A logger or other models.				
Type R	0 - 1700°C	1°C	±0.5% +3.0°C		±9°C @ 1200°C
Type S	0 - 1500°C				
Type T	-100 - 400°C	0.1°C	-100 to -50°C	±0.4% +1.0°C	±1.3°C @ 200°C
			-50 to 400°C	±0.4% +0.5°C	
Type E	-100 - 900°C	0.1°C	-100 to -50°C	±0.4% +1.0°C	±2.9°C @ 600°C
			-50 to 900°C	±0.4% +0.5°C	

Accuracy applicable for instrument ambient temperatures of 18-28°C. When in °F mode, resolution for values above 1000°F is 1°F.

Input:	4x Thermocouples via miniature size connectors
Reading Rate:	1 times per second (approx.)
Logging Rate:	Adjust between 1 second and 3600 seconds (1 hour)
Dimension:	177 x 68 x 45mm (HxWxD)
Weight:	278g (without batteries)
Battery:	6x 1.5V AA (supplied). Estimated life 120-500 hours. (Optional PSU available.)

Windows PC software is option at extra cost, providing additional analysis features, but not required. An SD memory card is optional at extra cost, but most SD cards of 16GB or less should be compatible.

TMS Stock Code: DIGIHH-TM947SD (without calibration)
DIGIHH-TM947SD-UKAS (with calibration)



TMS Europe Ltd is a UKAS accredited calibration laboratory No. 0461. We are ISO 17025 accredited for calibration on site and in our laboratory, as defined in our Schedule Of Accreditation (see www.tmseurope.co.uk/soa).