

SPECIFICATIONS

MODEL	L702	
ELECTRICAL SPECIFICATIONS		
Channels	2	
Input	Temperature sensor	Humidity sensor
Range	-10 to +50 °C (14 to 122 °F)	5 to 85 % RH
Accuracy	±(1 % R + 1 °C/F)	±(3 % R + 2 cts)
Resolution	0.1 °C / F	0.1 % HR
Sample rate	Maximum of 1 every 5 seconds	
Storage rate	Programmable from once every 5 s to 1 per day	
Storage modes	Start/Stop, FIFO and Extended Recording Mode (XRM™)	
Recording length	15 minutes to 8 weeks, programmable using DataView®	
Memory	240,000 measurement (512 kB). The recorded data is stored in non-volatile memory & retained even if the battery is low or removed	
Communication	USB 2.0 optically isolated	
Power source	2 x 1.5 V AA-cell Alkaline batteries	
Battery life	100 hours to > 45 days (dependent on storage rate/recording length)	
MECHANICAL SPECIFICATIONS		
Dimensions	136 x 70 x 32 mm (5.45 x 2.75 x 1.28") without sensor	
Weight (with battery)	180 g (6.4 oz)	
Casing	Polycarbonate, UL94-V0	
Vibration	IEC 60068-2-6 (1.5 mm, 10 to 55 Hz)	
Shock	IEC 60068-2-27 (30 G)	
Drop	IEC 60068-2-32 (1 m)	
ENVIRONMENTAL SPECIFICATIONS		
Operating temperature	-10 to +50 °C (14 to 122 °F)	
Storage temperature	-20 to +60 °C (-4 to +140 °F)	
Relative humidity	Up to 85 % to 35 °C (95 °F) non-condensing	
Altitude	2000 m	
SAFETY & ELECTRO-MAGNETIC COMPATIBILITY		
Safety rating	IEC 61010-1 ; 50 V CAT III ; Pollution degree 2	
Protection degree	IP40	
Electro-magnetic compatibility	EN 61326-1 ; 07/1997 (+A1 10/1998, +A2 09/2001, +A3 05/2004)	

APPLICATIONS

- ▶ Clean rooms
- ▶ Blood banks
- ▶ Humidors
- ▶ Wine cellars
- ▶ Greenhouses
- ▶ Paper mills