

ENVIRONMENTAL TESTERS

TEMPERATURE



with USB connector closed

MODEL 1822

Versatility & high performance temperature measurement



FEATURES

- Selectable Thermocouple type, J, K, T, N, E, R, S
- Dual channel
- Dual line display
- User selectable temperature units, °F, °C
- Min and Max measurements stored
- HOLD function freezes the display
- Spot or continuous recording up to 1 million measurements
- Blue luminescent backlit display
- Programmable store on alarm function
- Magnetic mount
- Programmable alarms through software
- DataView® graphing and analysis software included
- Battery or USB powered
- Free app for Android™ from the Google® Play Store

PRODUCT INCLUDES

Soft carrying case, 6 ft USB cable (Type A to Type B USB), (2) K Thermocouple flexible sensors, (3) 1.5 V AA alkaline batteries, printed quick start guide, and a USB drive with DataView® software and user manual.



ACCESSORIES/REPLACEMENTS

- | | |
|---|---|
| CAT. #2138.66
6 ft USB cable | CAT. #2153.78
Adapter – US Wall Plug to USB |
| CAT. #5000.44
MultiFlex Universal Mounting System | CAT. #2122.31
Shockproof Housing |

CAT. #	DESCRIPTION
2121.75	Thermocouple Thermometer Data Logger Model 1822

ENVIRONMENTAL TESTERS

TEMPERATURE DATA LOGGER MODEL 1822

1822 Thermocouple Thermometer	
J, K, T, N, E, R, S: 2 Channel	
MEASUREMENTS	
Measurement Range	J: (-210 to +1200) °C / (-346 to +2192) °F K: (-200 to +1372) °C / (-328 to +2501) °F T: (-200 to +400) °C / (-328 to +752) °F N: (-200 to +1300) °C / (-328 to +2372) °F E: (-150 to +950) °C / (-238 to +1742) °F R,S: (0 to +1767) °C / (32 to +3212) °F
Resolution	Display in °C: $\emptyset < 1000$ °C : 0.1 °C and $\emptyset \geq 1000$ °C : 1 °C Display in °F: $\emptyset < 1000$ °F : 0.1 °F and $\emptyset \geq 1000$ °F : 1 °F
Accuracy (°C)	J, K, T, N, E: $\emptyset \leq -100$ °C \pm (0.2 % Reading + 0.6 °C) -100 °C $< \emptyset \leq +100$ °C \pm (0.15 % R + 0.6 °C) $+100$ °C $< \emptyset \pm$ (0.1 % R + 0.6 °C) R, S: $\emptyset \leq +100$ °C \pm (0.15 % R + 1.0 °C) $+100$ °C $< \emptyset \pm$ (0.1 % R + 1.0 °C)
FUNCTIONS	
Recording	Manual Start / Stop Short press on MEM: spot recording Long press on REC: recording at the user selectable rate Programmed recording rates from 1 min to 2 h Start and end dates can be customized with the PC software
Alarms	Alarm thresholds set using the software. Visual alert on the product in the event of an overrun Recording can be triggered on alarm thresholds.
Data Storage	More than 1 million measurements
Min-Max	Real-time display of Min and Max readings available at the press of a button
Hold	Freezes the measurement value on the display
Differential Measurement	Yes
Units	°C or °F
Backlighting	Blue luminescent
Automatic Power Off	User selectable choice of 3, 5 or 10 min, or off through DataView® software
MECHANICAL	
Interfaces	2 communication modes: Bluetooth® and USB
Mounting	Case equipped with a magnet, a wall mount system and a slot for suspension of the product. Compatible with the MultiFix accessory (CAT. #5000.44). Shockproof housing available as an accessory (CAT. #2122.31)
Connections	Compensated miniature female connectors
Dimensions / Weight	(5.9 x 2.84 x 1.28) in (150 x 72 x 33) mm / 9.2 oz (260 g) with batteries
Operating Range	Temperature from (14 to 140) °F (-10 to +60) °C / Humidity from (10 to 90) % RH
POWER SOURCE	
Type	(3) 1.5 V AA / LR6 alkaline batteries Connection to line power using supplied micro-USB cable. Wall adapter sold separately.
Battery Life	Model 1822: 1000 h (portable mode) Model 1823 : 800 h (portable mode) 3 y for recording (15-minute measurement interval)
SAFETY	
Safety Rating	IEC 61010-1 / IEC 61326-1
Ingress Protection	IP50 with the USB connector closed, per IEC 60 529
GENERAL	
DataView® Software Functions	Real-time mode; Automatic report generation in Microsoft Word format Graph or value-table presentation; Data export in graph or Microsoft Excel table format
Warranty	2 y

Consult factory for NIST Calibration prices.

