



PRODUCT DATASHEET KELVIN

MULTI-USE CELLULAR CONNECTED TEMPERATURE DATA LOGGER WITH LCD DISPLAY AND PROBE

KELVIN M300



Monitor Your Moving Temperature-Sensitive Assets

Understanding how temperature-sensitive and high-value assets are handled and stored throughout the supply chain is critical. The solution enables greater visibility, reduces asset damage & waste and simplifies compliance for assets that are sensitive to environmental conditions.



Temperature
Monitoring



Real-Time
Location Tracking*



LCD Display for
Temperature
Reading



Tamper
Detection



Shock
Detection



Flight Mode
(IATA, FAA Compliant)



High-Precision
Digital Sensor



Geofencing

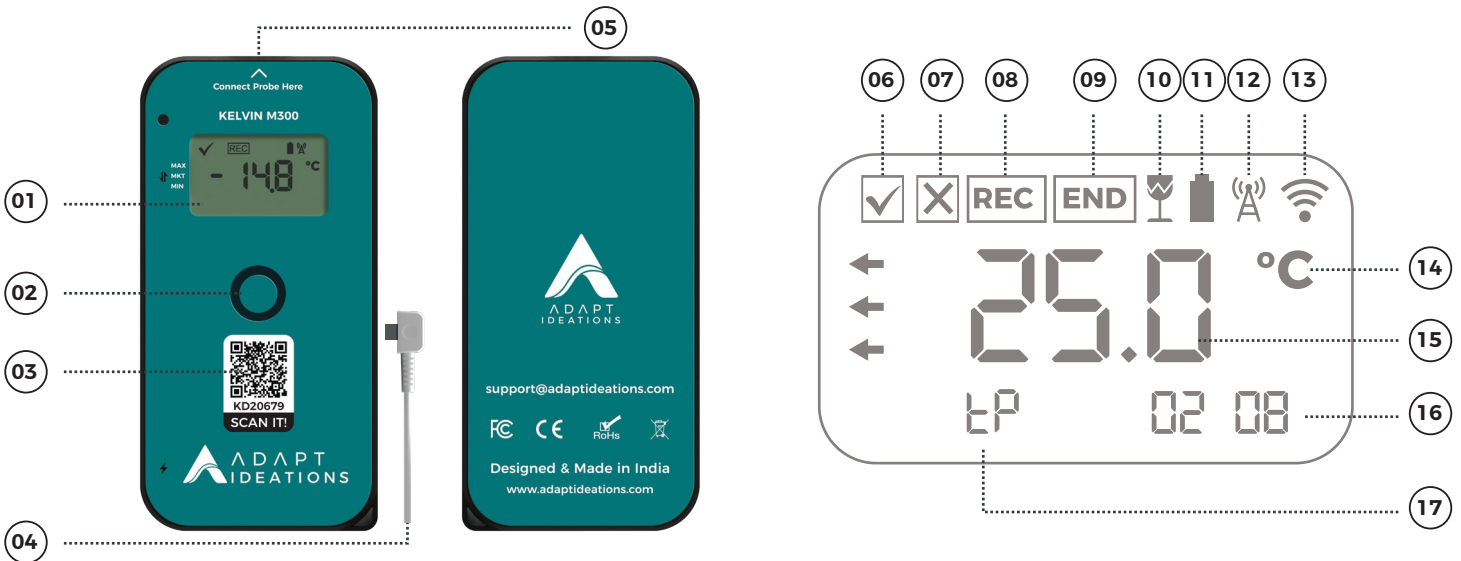


IP64 Grade



*Refer to technical specifications for minimum reading interval and transmission times.

Product Anatomy



01. LCD Screen

02. Button

03. QR Code

04. Probe

05. USB Type C Connector

06. No Temperature Violation

07. Temperature Violation

08. Record Start

09. Record End

10. Shock Notification

11. Battery Charge Health
(Blinks when battery is low)

12. Cellular Connection

13. WiFi Connection (Stable when connected)

14. Degree Celsius

15. Temperature Reading (in Deg Cel)

16. Temperature Violation Thresholds

17. Active Sensor (ti= Internal; tp= Probe)



Visit us at www.adaptideations.com

To unlock your next innovation journey, get in touch today at enquiries@adaptideations.com



MULTI-USE CELLULAR CONNECTED TEMPERATURE DATA LOGGER WITH LCD DISPLAY AND PROBE

KELVIN M300



Easy To Use

CONFIGURE

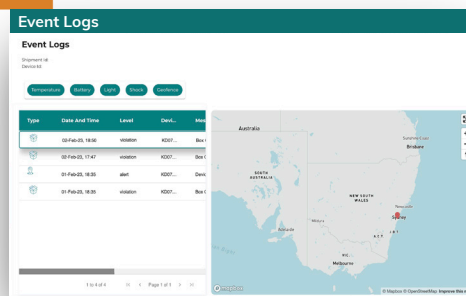
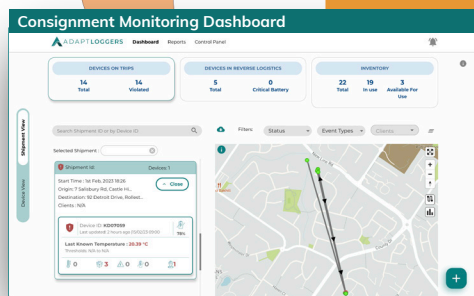
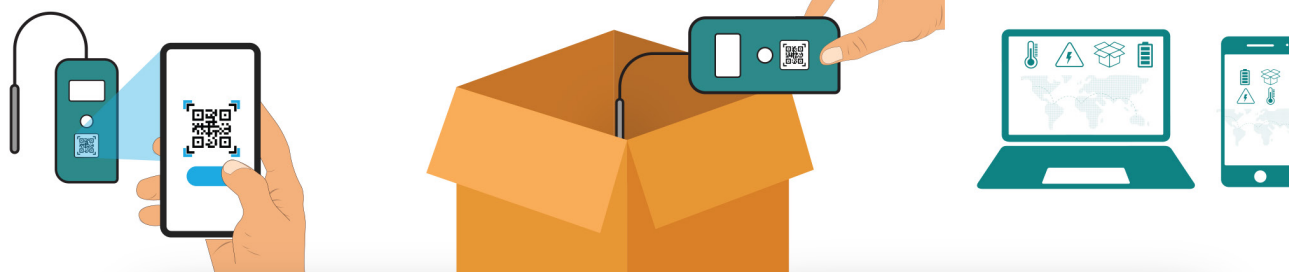
Configure the data logger according to your requirement using our platform.

PAIR

Add the device to a consignment.

TRACK

Track the shipment on our platform.



Technical Specifications

Dimensions (L x W x H):	102mm x 52mm x 20mm
Weight:	132g
Battery Type:	Lithium-Polymer, 3000mAH, Rechargeable
Battery Model:	Sunte 974058
Charging Voltage:	5V DC, USB Type C
Charging Time:	Up to 8 hours for full charge
Runtime: (Maximum Trip Duration)	30 days at 60 mins data Sending Interval and 10 mins Reading Interval
Reading Interval:	10 min by default Configurable from 5 mins to 60 mins
Sending Interval (SI):	30 min (minimum configurable)
WiFi:	2.4 GHz
Cellular:	2G/4G (CAT M1), SIM inbuilt
Temperature Sensors:	Internal: Digital, Probe: RTD
Resolution	0.1°C
Temperature Range:	Internal (-20°C to +60°C) Probe (-200°C to +100°C)
Temperature Accuracy - Internal Sensor	-20° C to +60° C +- 0.5° C

Temperature Accuracy - Probe:	80°C to 100°C +- 1.0°C -40°C to 80°C +- 0.5°C -70°C to -40°C +- 1.0°C -150°C to -70°C +- 2.0°C -200°C to -150°C +- 3.0°C
-------------------------------	--

Calibration:	Three Point Factory Calibration, Probe only
--------------	--

Probe Length:	1.2m
---------------	------

Recording Option	Multi-use
------------------	-----------

Standards:	FCC/CE Compliance
------------	-------------------

Environmental Rating:	IP64
-----------------------	------

Compliance:	FAA:AC 91.21 -1D, 2017, p. 91 EU: AMC1 CAT.GEN.MPA.140 As per the guidelines of IATA on Portable Electronics Devices (PEDs) Airline approved FDA 21 CFR Part 11 ISO 9001 IEC 62368
-------------	--

Violations:	Violations are logged as events on web-portal and devices
-------------	--

Notifications:	Alerts as SMS, email, pop-up (portal side)
----------------	---

Data Formats & Graphs:	Graphs, PDFs, CSVs (downloadable from portal)
------------------------	--

Data Storage Capacity:	31,200 readings
------------------------	-----------------



Visit us at www.adaptideations.com

To unlock your next innovation journey, get in touch today at enquiries@adaptideations.com

*Data sheet is correct as of 07/24. The product may be subject to minor changes and enhancements in the future.