



POD Cryo



Bluetooth Temperature Datalogger
With Cryogenic Probe



Non contractual picture

Part nr. 11951

Presentation

The Verigo POD Temperature datalogger records temperature and wirelessly transmits data to a smartphone or tablet on which the Verigo's App has been installed. It is supplied with a blunt tip probe that is attached to the Pod with a 2 meter (6.5 foot) cable.

The App allows to configure the POD and to view all nearby PODs up to 30 meters (100 feet) away in real-time with their current temperature readings, data graphs and detailed alerts indicating threshold excursions. For further analysis, the share function allows to email data as a PDF or CSV straight from the mobile device.

In case of threshold excursions, alerts are sent by text message and/or email.

All data is stored in the cloud automatically via Verigo's secure Web App allowing users to search complete records of all POD data.

The App allows to view on a map the shipping history and the different location points of the Pod if the Location Services option is enabled on the mobile device.

To easily locate the Pod among multiple boxes and containers or among other Pod, you can tap the «chime» button in the App to generate a short sound.

Verigo's app is available on :



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Technical Features

TEMPERATURE SENSOR	Measurement Range	-200°C to 100°C/ -328°F to 212°F	
	Accuracy*	TYPICAL	MAXIMUM
	-35°C to -20°C/-31°F to -4°F	±0,50°C/±0,9°F	±0,75°C/±1,35°F
	-20°C to +20°C/-4°F to 68°F	±0,35°C/±0,63°F	±0,55°C/±0,99°F
+20°C to +40°C/68°F to 104°F	±0,50°C/±0,9°F	±0,70°C/±1,26°F	
+40°C to +80°C/104°F to 176°F	±0,70°C/±1,26°F	±1°C/±1,80°F	
-200°C to +100°C/328°F to 212°F	±3,90°C/±7,02°F	±4,10°C/±7,38°F	
	Resolution	0.01°C/0.018°F	
	Response Time	Less than 20 min (in<0,2 m /s air flow)	
BLUETOOTH BLE COMMUNICATION	Transmission Range	Up to 30 meters (about 100 feet)	
	Data Acquisition	Visual using Mobile and/or Web App Email as CSV or PDF	
LOGGING OPTIONS	Interval Logging	1 min to 18 hours, user configurable	
	High-Resolution Logging	User can enable or disable (logging occurs if temperature changes)	
	Sampling Interval	30 secondes	
	Activation	Button Press or Using Mobile App: Immediate and Delayed Logging (set delay interval or date & time)	
	Shutdown	Using Mobile App (data logging will stop when memory is full)	
	Sensor Thresholds	User configurable over full operating range	
	Notification	Enable or disable SMS/email notifications indicating sensor threshold excursions	
LED INDICATOR	Upon a button press (flashes seen)	1 green: Inactive Pod 2 green: Active Pod 2 red: Active Pod with a threshold excursion 4 green: Pod currently connected to a mobile device 4 red: Pod connected to a mobile device, with a threshold excursion	
HARDWARE	Single/Multi-Use	Multi-use	
	Battery Life*	Shelf Life (inactive): 7 years Typical**: 2-4 years Continuously Active: 1.5 years	
	Battery Type	3V Primary Lithium Manganese Dioxide (non-rechargeable)	
	Low Battery Indicator	Visible in Mobile App	
	Operating Range	-20 to +60°C / -4°F to 140°F	
	Memory	40 000 data points	
	Protection index	IP65	
	Case	ABS	
	Dimensions	POD : 97 x 43 x 13 mm (3.8 x 1.7 x 0.5 in) Probe Wire*** : 2 meters Stainless Steel, blunt tip : 89 x 3,18mm (3.5 x 0.125 in)	
	Weight	62g (2.19 oz)	
	Certifications	FCC, CE, Industry Canada, 21 CFR part11	
	Supplied with	Quick start	

* Exact battery life can vary depending on device age, use case and operating temperature. Battery life will be inherently diminished when Pods are operated continuously at temperatures below 0°C.

**"Typical" use of a Pod (cased) is considered to be actively logging for a total of 8-16 hours with one full log download per day, every day while operating at 0°C - 20°C.

*** Do not pull on cable to remove probe from any container or measurement point, especially when measuring environments below -20°C.

This can cause permanent damage to the probe assembly and electrical connections. Do not fully immerse any probe in liquid. If the junction between the probe and probe wire is exposed to liquids for an extended period, especially during rapid temperature changes, liquid ingress can occur and cause permanent errors in probe readings.