

Controlant CO 10.01 With External Probe

The CO 10.01 Supply Chain Logger is designed to monitor shipments during transit by air, sea, or road. The Logger is part of our validated Cold Chain as a Service (CHaaS) solution, which combines the logger with an intuitive cloud platform and managed services.

The CO 10.01 logger monitors the temperature, light, and location of the shipment. The logger can be equipped with different probe options that can measure product temperature down to -80°C. All measured data is automatically uploaded to the Controlant cloud platform where shipments are monitored and data analyzed.

Key benefits of the Controlant CO 10.01 Supply Chain Logger:

- Designed to monitor shipments in air, sea, or road
- EASA flight approval and approved by more than 40 airlines
- Different probes available (PR-T01, PR-T02, PR-T03, and PR-T80)
- Sophisticated user interface to manage shipments and analyze data
- Re-usable
- CO 10.01 is part of Controlant's Cold Chain as a Service (CHaaS) solution)



General Overview

Product

Product Name	Real-Time Logger
Product Type	CO 10.01 with external probe

General

Housing	ABS plastic enclosure
Dimensions	20mm x 61mm x 91mm 0.8in x 2.4in x 3.6in (excluding probe connector)
Weight	100g 0.22 lbs
Probe length	See probe data sheets
Probe width	See probe data sheets
Data cloud reporting	Measurement data is automatically uploaded to the Controlant Cloud at intervals ranging from 1 hour to 12 hours
Approvals	CE FCC IC IFT Anatel CRC ACMA RCM
Available sensors	Temperature sensor Geographical location Battery status Light sensor

Measurement data

Measurement

Temperature	See probe data sheets
Resolution	0.1°C 0.18°F
Long-term drift	<0.1°C 0.18°F / year

Calibration

Standard cal. points	See probe data sheets
Calibration accuracy	See probe data sheets
Calibration certificate	Available upon request

Measurement resolution

Measurement Interval	10 minutes
----------------------	------------

Operation Environment

Operating Temperature	-20°C to +50°C -4°F to +122°F
-----------------------	---------------------------------

Technical data

Power

Battery type	Rechargeable lithium battery 1800mAh / UN38.3 certified
--------------	--

Energy	6.66 Wh
--------	---------

Battery lifetime	Operates on a single charge from 10-60 days based on cloud reporting interval
------------------	---

Charging	Charged via an attached USB cable
----------	--------------------------------------

Data capacity

Backup storage on internal non-volatile memory	Stores 60 days of temperature log in memory when no cloud connection is available
---	---

Sampling rate	10 minutes
---------------	------------

Wireless specification

Cellular data upload	Cellular connection to upload data to Controlant cloud
----------------------	---

Cellular network type	2G and 3G
-----------------------	-----------

Cellular coverage	Vodafone Global
-------------------	-----------------

© Copyright 2021 Controlant, Inc. All rights reserved. Any disclosure, copying, distribution, posting, or use of the information contained in this document is prohibited.