

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DWYER/OMEGA

DWYEROMEGA / OMEGA OM-CP-TEMP1000IS-SS Intrinsically Safe Temperature Data Logger

Dwyer/Omega Data Loggers. Resolution: ** 0.01 °C, Accuracy: ** ±0.5 °C (0 °C to 50 °C), Accuracy: ** ±10 seconds/month (0 °C to 50 °C).



MODEL

Dwyer/Omega
OM-CP-
TEMP1000IS-SS

CALIBRATION

Available on
request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OM-CP-
TEMP1000IS-SS

LISTING

<https://aumictechlabs.com/products/om-cp-temp1000is-ss-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The OMEGA OM-CP-TEMP1000IS-SS is an intrinsically safe temperature data logger engineered for hazardous location monitoring. Built with a 316 stainless steel enclosure, it delivers calibrated accuracy of ±0.5 °C across the 0 °C to 50 °C range and resolves temperature to 0.01 °C. The device operates from -40 °C to 80 °C (-40 °F to 176 °F) using a resistance temperature detector (RTD) sensor, with time stamping accurate to ±10 seconds/month. Technical Specifications
Measurement Type: Temperature Temperature Sensor: Resistance Temperature Detector (RTD)
Temperature Range: -40 °C to 80 °C (-40 °F to 176 °F) Temperature Resolution: 0.01 °C Calibrated Accuracy: ±0.5 °C (0 °C to 50 °C) Time Accuracy: ±10 seconds/month (0 °C to 50 °C) Intrinsic Safety Certification: Class I, Division 1, Groups A, B, C, D (IS); Class I, Division 2, Groups A, B, C, D (NI); FM Approvals; SGS certified to FM3600/FM3610; Temperature Class T4A; Maximum ambient

temperature (Ta) 80 °C Data Storage: 65,536 readings in non-volatile solid-state memory
Sampling Rate: Configurable from 1 reading every 2 seconds to 1 reading every 12 hours Start
Modes: Immediate software start, adjustable delay up to 24 months, real-time operation with PC
monitoring Real-Time Clock: Time and date stamping enabled Battery: 3.6 V Li-ion; up to 2 years
life; user replaceable (non-hazardous locations only); Tadiran TL-2150 approved Enclosure: 316
Stainless Steel Key Features Configurable sampling intervals accommodate extended monitoring
or high-frequency event capture Delay-start capability enables pre-positioned deployment up to
24 months ahead Software battery indicator provides operational visibility Real-time data
download via USB docking station Typical Applications Chemical processing, oil and gas
exploration, pharmaceutical manufacturing, and other Class I Division 1 hazardous locations.
Compatibility & Integration Data interface requires OM-CP-IFC400 or OM-CP-IFC406 docking
station (sold separately). Compatible with Windows XP SP3, 7, 8, and 10 via Omega 4 software.
Export to Excel; graphical and tabular data views with summary statistics supported.

OMCPTEMP1000ISSS Characteristics / Specifications

PARAMETER	VALUE
Model	OM-CP-TEMP1000IS-SS
Instrument Type	Intrinsically safe temperature data logger
Family	Omega OM-CP-TEMP1000IS
Temperature Sensor	semiconductor
Temperature Range	minus 40 to 80 C (minus 40 to 176 F)
Temperature Resolution	0.1 C
Calibrated Accuracy	plus or minus 0.5 C (0 to 50 C)
Memory Depth	32767 readings
Recording Interval	2 seconds to 12 hours selectable in software
Start Time	start time and date programmable through software
Power	3.6 V lithium battery included
Battery Life	1 year typical
Time Accuracy	plus or minus 1 minute per month at 20 C when RS-232 port is not in use
Computer Interface	PC serial or USB (interface cable required) 2400 baud
Data Format	date and time stamped C, F, K, R
Operating Environment	minus 40 to 80 C, 0 to 100 percent RH non-condensing
Dimensions	108 mm diameter x 26 mm L (4.3 × 1.0 in)
Mass Stainless	230 g (8 oz)
Mass Aluminum Sibling	110 g (4 oz) aluminum body sibling
Hazardous Rating	ClassIDiv 1 Groups ABCD; non-incendive ClassIDiv 2 Groups ABCD
Enclosure Rating	indoor/outdoor NEMA Type 4X, 6P locations
Submersible Depth	46 m (150 ft)
Calibration	digital calibration through software; calibration date stored in device
Manufacturer	Omega Engineering (DwyerOmega)

PARAMETER	VALUE
Literature	Omega OM-CP-TEMP1000IS / OM-CP-TEMP1000IS-SS specification table

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	OM-CP-TEMP1000IS-SS
Instrument Type	Intrinsically safe temperature data logger
Family	Omega OM-CP-TEMP1000IS
Temperature Sensor	semiconductor
Temperature Range	minus 40 to 80 C (minus 40 to 176 F)
Temperature Resolution	0.1 C
Calibrated Accuracy	plus or minus 0.5 C (0 to 50 C)
Memory Depth	32767 readings
Recording Interval	2 seconds to 12 hours selectable in software
Start Time	start time and date programmable through software
Power	3.6 V lithium battery included
Battery Life	1 year typical
Time Accuracy	plus or minus 1 minute per month at 20 C when RS-232 port is not in use
Computer Interface	PC serial or USB (interface cable required) 2400 baud
Data Format	date and time stamped C, F, K, R
Operating Environment	minus 40 to 80 C, 0 to 100 percent RH non-condensing
Dimensions	108 mm diameter x 26 mm L (4.3 x 1.0 in)
Mass Stainless	230 g (8 oz)
Mass Aluminum Sibling	110 g (4 oz) aluminum body sibling
Hazardous Rating	ClassIDiv 1 Groups ABCD; non-incendive ClassIDiv 2 Groups ABCD
Enclosure Rating	indoor/outdoor NEMA Type 4X, 6P locations
Submersible Depth	46 m (150 ft)
Calibration	digital calibration through software; calibration date stored in device
Manufacturer	Omega Engineering (DwyerOmega)
Literature	Omega OM-CP-TEMP1000IS / OM-CP-TEMP1000IS-SS specification table

Notes

From Omega OM-CP-TEMP1000IS datasheet (SS stainless overlay: 230 g, 46 m submersible, 0.1 C / plus or minus 0.5 C / 32767 readings). Later A2 loggers use 0.01 C and 65536 readings; do not copy A2 numbers onto this SS SKU.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.