EnviroLog®

SINGLE-USE USB PDF
TEMPERATURE
DATA LOGGER

RoHS COMPLIANT

designed for 21CFR Part 11™

APPLICATIONS:

Fruits/ Vegetables/Produce distribution

Vaccines Transportation

Seafood /Perishables Shipping

Pharmaceuticals distribution

FEATURES:

The EnviroLog is a single-use, cost effective & reliable temperature recorder with an integral USB connector. It measures and stores real time temperature readings over a measurement range of -30 °C to +70 °C (-22 °F to +158 °F).
The EnviroLog automatically generates a PDF report which requires no special software and combines all the features of an advanced temperature recorder with an 16,000 log memory and a 6-month operating life.

Automatic PDF generation (available in different languages)

Flashing Green 'OK' or Red 'Fail' LED Lights

Measurement range of -30 °C to +70 °C

Preset with industry standard configuration settings

6-month operating life

Preset alarm settings available

SPECIFICATIONS:

Product Model	EV-16
Sensor Measurement Range	-30 °C to +70 °C (-22 °F to +158 °F).
Operating Temperature Range	-30 °C to +70 °C (-22 °F to +158 °F).
Storage Temperature Range	0 °C to +40 °C (32 °F to +104 °F).
Rated Temperature Reading Accuracy	Better than ±0.5 °C (±0.9 °F) for -5 °C to +30 °C (23 °F to +86 °F). Better than ±0.8 °C or better for measurements in other areas of rated range. Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
Rated Temperature Reading Resolution	Better than 0.1 °C or 0.1 °F. The native resolution is what is stored in the EnviroLog®.
Sensor Reaction Time	Typically less than 7 minutes (T90) in moving air (1m/s) in EN12830:1999.
Recording Capacity	16,129 temperature readings. 112 days @ 10min logging, 168 days @ 15min logging.
Sampling Interval	Preset recording interval from 1 minute to 18 hours (Typically 5 minute logging)
Logging Start Options	Push button start. Optional start delay (1min to 72 hours) depending on preset configuration.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Alarms	Up to 3 upper and 3 lower alarms depending on preset configuration.
Download Time	Typically with full memory (16,129 readings) in less than 30 seconds from time of insertion to availability of PDF report.
Environmental	IEC 60529: IP67 when plastic intact.
Power Source	CR2032 $LiMnO_2$ Battery (Fixed)
Battery Life	2 years storage, followed by 6 months battery life of normal use (based on 6 minute logging, download data monthly).
Real Time Clock	Built-in real time clock. Rated accuracy ±25ppm @ 25 °C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (I.e typically +/- 0.00294 seconds/day/°C).
Connection Interface	USB 2.0, A-type plug.
Software	PDF Reader.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	31g.
Bag / Case Material	LDPE /ABS.