Alpha TD80S
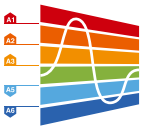
Single Use Dry Ice Probeless USB PDF Data Logger

Auto PDF Report with Embedded Data

Automatically generating encrypted PDF format report, no software required to obtain data, embedded raw data allows analyzing report via TempCentre and Cold Chain Cloud.

Online configuration without software

In support of online configuration without needing to download and install any specific software.

Multiple Alarm Ranges

Up to 5 alarm ranges offer precise and intuitive statistics for each configured alarm range.

Mark Function

Click Mark button to write in time stamp for events requiring special attention during shipment, up to 9 marks available.

3-point Calibration

Factory 3-point calibration, each logger comes with a NIST traceable calibration certificate.

EN12830 Compliant

Complies to EN12830:1999 for transport, storage and distribution of chilled, frozen, deep frozen, quick-frozen food and others.

EN12830

TempCentre 2.0 Support

Work with TempCentre 2.0 desktop software to easily and accurately view, analyze, archive and share data recorded from transport and storage, and achieve 21 CFR 11 compliance.

log in cold chain

SPECIFICATIONS

Type	Single use
Sensor	Internal RTD Sensor
Memory Capacity	14400 readings
Measurement Range	-80°C...70°C (-112°F...158°F)
Accuracy	±0.5°C/0.9°F(-30°C…30°C/-22°F…86°F) ±1°C/1.8°F (rest range)
Resolution	0.1°C/°F
Start Mode	Manual/Auto
Logging Interval	1 minute...2 hours
Alarm Range	High and low alarm/5 alarm ranges
Alarm Type	Single Event/Cumulative Alarm
Battery	3.6V lithium battery
Typical Run Time	30 days (15 days@-80°C)
Shelf Life	2 years
Display	Multi-function LCD •OK(√), Alarm(x), Running status •Temperature statistics (max, min, avg) •Limit violation event indication •Duration time of each alarm zone •Mark history
Button	Start/Stop/Mark/View
Connection	USB 2.0 Connector
Data Specification	•Temperature •Date/Time •Mark
Automatic Data File	Encrypted PDF report with embedded raw data
Software	TempCentre 2.0 (21 CFR 11 Compliance)
Compatible OS	WIN XP/7/8
Calibration	Factory NIST traceable 3-point calibration
Certifications	CE, EN12830, RTCA-DO160G (FAA Compliance)
Dimensions	107mm L x 56mm W x 18mm H
Weight	Approx. 62g
Packaging/Material	Case/Polycarbonate
Protection Class	IP54

EO
Measure Solutions