

Nautilus135

Product Specifications

Type: Single-Channel Temperature Thermistor - Max 135°C

GENERAL SPECIFICATIONS

Size:	18 mm x 127 mm (0.71" x 5.00")
Weight:	Aluminum - 51 grams (1.8 ounces) Stainless Steel - 112 grams (4 ounces)
Case Material:	Anodized aluminum or stainless steel
Battery:	3.6 volt Lithium, 0.95 Amp-Hour
Resolution:	8-bit (1 part in 256)
Mounting:	Locking hole on cap
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out), Stop When Full <i>(option to delay start, spot or average samples)</i>
Operating Limits:	10°C to 135°C (50°F to 275°F) and waterproof
Operating Pressure Range:	Up to 2000 PSI
Power Consumption:	5 to 10 micro amps (continuous)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2MB of RAM memory, and 2 MB of hard disk space
Software Requirements:	TrendReader® Express <i>(compatible with Windows® 3.1, 95, 98, Me, NT, 2000 or XP)</i>

Memory Size:	32K <i>(capable of storing up to 244,800 readings with data compression)</i>
Sampling Rates:	User selectable rates from 8 seconds to 34 minutes <i>(readings stored to memory can be spot or averaged over the sample interval, except for the 8 second interval)</i>
Number of Channels:	One <i>(one channel for ambient temperature)</i>

SENSOR SPECIFICATIONS

Temperature Sensor:	NTC Thermistor - 10,000 ohms @ 25°C (77°F)
Type:	NTC Thermistor - 10,000 ohms @ 25°C (77°F)
Range:	10 to 135°C (50°F to 275°F)
Accuracy:	+/- 0.5°C (+/- 0.9°F)
Resolution:	10°C to 37°C (50°F to 100°F) better than 1.8°C(3.1°F) 38°C to 120°C(101°F to 249°F) better than 0.5°C to 0.7°C(0.9°F to 1.3°F) 121°C to 135°C(250°F to 275°F) better then 1.0°C(1.7°F)

The high temperature capabilities of the Nautilus135 make it the ideal logger for monitoring temperature in extreme environments or environments where conventional data loggers are not able to survive.



WARRANTY

Internal Battery:	3 Years
Data Logger:	3 Years

APPLICATIONS

Autoclave verification; ETO sterilization; kiln drying studies; medical & pharmaceutical studies; agricultural, ocean and pond studies; environmental studies; process monitoring; HVAC; well monitoring; and hostile environmental monitoring

Model#:	Cat#:
NTL-102 (Aluminum)	01-0263
NTL-103 (Stainles steel)	01-0264