Nautilus85

Product Specifications

Type: *Single-Channel Temperature Thermistor - Max 85°C*

GENERAL NAUTILUS 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, guaranteed for 10 years
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 (Fill-then-stop), Delayed Start
Operating Limits:	-40°C to 85°C (-40°F to 185°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 - Windows version 3.1, 95, 98, Me, NT, 2000 or XP

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

SENSOR SPECIFICATIONS

Internal Temperature Sensor:	Negative Temperature Coefficient (NTC) Thermistor 10,000 ohms @ 25°C (77°F)
Range:	-40 to 85°C (-40°F to 185°F)
Resolution:	0.4°C (0.7°F)
Accuracy:	+/- 0.2°C (+/- 0.4°F) @ 25°C (77°F)

This durable, robust, and waterproof temperature logger can be used in almost any environment. With no wiring or cables required, the Nautilus85 is ideal for a variety of applications.



WARRANTY

Internal Battery:	**10 Years**
Data Logger:	**3 Years**

APPLICATIONS

Record temperature of food products and other perishable goods; useful in the storage and transportation of food, the medical and pharmaceutical industries, agricultural, ocean and pond studies, environmental studies, process monitoring, and hostile environment monitoring

Model#:	**Cat#:**
NTL-100 (Aluminum)	01-0261
NTL-101 (Stainles steel)	01-0262