# Nautilus High Temperature

## Single-Channel Temperature Data Logger (Max 125°C)

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

## APPLICATIONS

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

## GENERAL SPECIFICATIONS

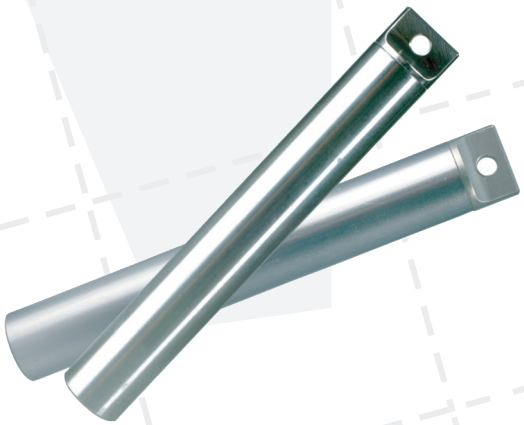
| | |
|---|---|
| Size: | 18mm x 127mm (0.71" x 5.00") |
| Weight: | Aluminum 51 g (1.8 oz); Stainless Steel 112 g (4 oz) |
| Case Material: | Anodized Aluminum or Stainless Steel |
| Battery: | 3.6 volt Lithium, 0.95 Amp-Hour |
| Resolution: | 8-bit (1 part in 256) |
| Mounting: | Locking hole on cap |
| Clock Accuracy: | ± 2 seconds per day |
| Sampling Methods: | Continuous (First-in First-out), Stop When Full, Delay Start, or Spot & Average |
| Operating Limits: | 10 to 125°C (50 to 257°F) and waterproof |
| PC Requirements: | Windows PC with at least one free USB or serial port (depending on interface) |
| Software Requirements: | TrendReader® Express *or* TrendReader® (Compatible with Windows 7, 8 and 10) |
| Memory Size: | 32 KB (capable of storing up to 244,800 with data compression enabled) |
| 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

| | |
|---|---|
| Temperature Sensor Type: | NTC Thermistor - 100,000 Ohms @ 25°C (77°F) |
| Range: | 10°C to 125°C (50°F to 257°F) |
| System Accuracy: | 10°C to 38°C (50°F to 100.4°F) better than ±2.3°C (4.14°F)<br>38°C to 121°C (101°F to 249°F) better than ±1.2°C (2.16°F)<br>121°C to 125°C (250°F to 257°F) better than ±1.5°C (2.7°F) |

## ORDERING INFORMATION

| Item | Cat#: |
|---|---|
| NTL-102 (Aluminum) | 01-0263 |
| NTL-103 (Stainless Steel) | 01-0264 |



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