DATASHEET

NanoTemp125-CF-3.9

MadgeTech

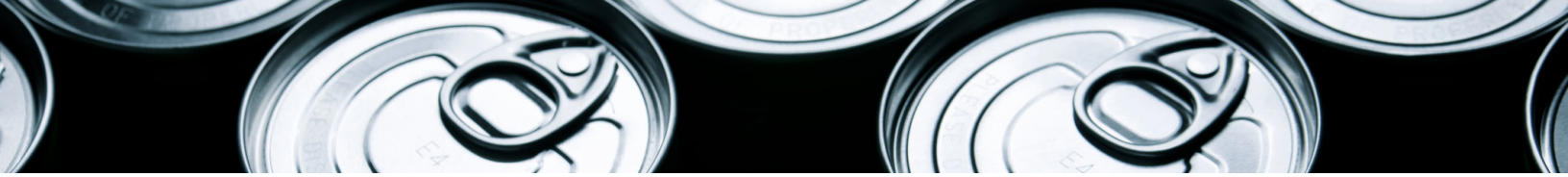
Distributed by AKRIBIS

NanoTemp125-CF

Miniature Temperature Data Logger

The NanoTemp125-CF securely attaches to jars, cans, or other containers using the MadgeTech Canning Fitting or or ThermaLock Thermowells, allowing the probe to monitor heat penetration and temperature distribution during pasteurization and retort processes. With a compact design and a maximum temperature of 125 °C (257 °F), the NanoTemp125-CF is perfect for small-scale canning applications or processes where space is limited but precision is critical.

For Use With:



Specifications

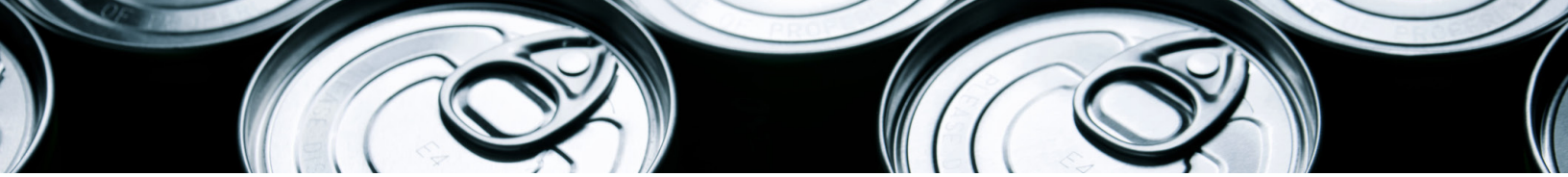
Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to **madgetech.com** for details.

TEMPERATURE	
Temperature Sensor	100 Ω Platinum RTD
Probe Measurement Range	-200 °C to +260 °C (-328 °F to +500 °F) **BODY OF LOGGER CANNOT EXCEED 125 °C**
Temperature Resolution	0.01 °C (0.02 °F)
Calibrated Accuracy	±0.1 °C/±0.18 °F (20 °C to +125 °C/68 °F to +257 °F) ±0.3 °C/±0.54 °F (-20 °C to +19.99 °C/-4 °F to +67.98 °F)

GENERAL	
Start Modes	Software programmable immediate start Delay start up to 18 months in advance
Stop Modes	Manual or Timed (specific date and time)
Real Time Recording	May be used with PC to monitor and record data in real time
Password Protection	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.
Memory	32,512 readings
Trigger Settings	High and Low limits may be set. Once data meets or exceed sets limits, the device will record to memory. Bi-level start and stop triggers can also be programmed. Users can specify the number of readings to take after the device triggers.
Reading in Trigger Settings Mode	6,502 readings
Wrap Around	Yes
Reading Rate	1 reading every second up to 1 reading every 24 hours
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	Two 3 V high-temperature lithium coin cell battery included; user replaceable
Battery Life	1 year typical (1 minute reading rate at 25 °C)
Data Format	Date and time stamped °C, K, °F or °R
Time Accuracy	±1 minute/month at 20 °C to 30 °C (68 °F to 86 °F) (Stand alone mode)
Computer Interface	IFC400 OR IFC406 USB docking station and adapter required; 125,000 baud

Battery Warning: fire, explosion, and severe burn hazard. Do not short circuit, charge, force over discharge, crush, penetrate, or incinerate. Battery may leak or explode if heated above 150 °c (302 °f).

Operating System Compatibility	Windows XP SP3 or later
Software Compatibility	Standard Software version 4.2.25.16 or later Secure Software version 4.2.24.16 or later
Operating Environment	-20 °C to +125 °C (-4 °F to +257 °F) 0 %RH to 100 %RH, 0.002 PSIA to 100 PSIA
IP Rating	IP68
Dimensions (Body)	0.9 in x 0.7 in dia. 22.9 mm x 17.8 mm dia.
Dimensions (Probe)	NanoTemp125-CF-1.1: **1.1 in x 0.095 in (27.94 mm x 2.4mm)** NanoTemp125-CF-1.2: **1.2 in x 0.095 in (30.48 mm x 2.4mm)** NanoTemp125-CF-1.3: **1.3 in x 0.095 in (33.02 mm x 2.4mm)** NanoTemp125-CF-1.4: **1.4 in x 0.095 in (35.56 mm x 2.4mm)** NanoTemp125-CF-1.5: **1.5 in x 0.095 in (38.1 mm x 2.4mm)** NanoTemp125-CF-1.6: **1.6 in x 0.095 in (40.64 mm x 2.4mm)** NanoTemp125-CF-1.8: **1.8 in x 0.095 in (45.72 mm x 2.4mm)** NanoTemp125-CF-2.1: **2.1 in x 0.095 in (53.34 mm x 2.4mm)** NanoTemp125-CF-2.2: **2.2 in x 0.095 in (55.88 mm x 2.4mm)** NanoTemp125-CF-3.1: **3.1 in x 0.095 in (78.74 mm x 2.4mm)** NanoTemp125-CF-3.9: **3.9 in x 0.095 in (99.06 mm x 2.4mm)** NanoTemp125-CF-5.4: **5.4 in x 0.095 in (137.16 mm x 2.4mm)**
Weight	0.63 oz (18 g)
Material	316 Stainless Steel, PEEK
Approvals	CE



Ordering Information

NanoTemp125-CF-1.1	902462-00	NanoTemp125-CF with 1.1” probe
NanoTemp125-CF-1.8	902668-00	NanoTemp125-CF with 1.8” probe
NanoTemp125-CF-2.1	902669-00	NanoTemp125-CF with 2.1” probe
NanoTemp125-CF-3.1	902671-00	NanoTemp125-CF with 3.1” probe
NanoTemp125-CF-3.9	902672-00	NanoTemp125-CF with 3.9” probe
NanoTemp125-CF-5.4	902673-00	NanoTemp125-CF with 5.4” probe
ThermaLock-1.1	902122-00	1.1” Thermowell for Canning Data Loggers
ThermaLock-1.2	902102-00	1.2” Thermowell for Canning Data Loggers
ThermaLock-1.3	902123-00	1.3” Thermowell for Canning Data Loggers
ThermaLock-1.4	902103-00	1.4” Thermowell for Canning Data Loggers
ThermaLock-1.5	902124-00	1.5” Thermowell for Canning Data Loggers
ThermaLock-1.6	902104-00	1.6” Thermowell for Canning Data Loggers
ThermaLock-1.8	902125-00	1.8” Thermowell for Canning Data Loggers
ThermaLock-2.1	902435-00	2.1” Thermowell for Canning Data Loggers
ThermaLock-2.2	902127-00	2.2” Thermowell for Canning Data Loggers
ThermaLock-3.1	902128-00	3.1” Thermowell for Canning Data Loggers
ThermaLock-3.9	902119-00	3.9” Thermowell for Canning Data Loggers
ThermaLock-5.4	902446-00	5.4” Thermowell for Canning Data Loggers
IFC400	900319-00	Docking Station with USB Cable
IFC406	**900325-00**	**6 Port, Multiplexer Docking Station with USB Cable**
NanoTemp125-CF Communication Kit	**902677-00**	**Includes IFC Adapter and Wrench**
BAT-BR1225A-00	**902678-00**	**Replacement Battery for the NanoTemp125 (2-Pack)**

For Quantity Discounts call (603) 456-2011 or email **sales@madgetech.com**.

AKRIBIS www.akribis.info contacto@akribis.info