MADGETECH
WE BUILD DATA LOGGERS

MicroTemp

Miniature Submersible Temperature Data Logger

The MicroTemp is a miniature, submersible, self-contained temperature data logger. Only 2.6 inch (66 mm) tall and 0.7 inch (18 mm) in diameter, this data logger can easily fit into the smallest spaces. It can even fit down the neck of most beverage bottles! Don't let the diminutive size fool you — this is an industrial grade instrument and will operate in temperatures from -40 °C to +80 °C. Its food grade stainless steel casing makes it inert to most common fluids and gases. It operates with user-replaceable batteries for up one year (typical use) and downloads data (32,767 readings) quickly to your PC.

MadgeTech's miniature technology opens up new options for documenting and ensuring proper environments for pharmaceuticals, biomedical research, food processing and transport. Our easy to use, yet versatile software not only allows you to view the data in common temperature units such as °C and °F, but also in Kelvin and Rankine. Additionally, the software will automatically calculate Pasteurization Units (PU), F0 and Mean Kinetic Temperature (MKT) saving you time.

Features

- Only 2.6 inch x 0.7 inch in Size
- Reusable
- Submersible to 230 ft (70 m)
- Programmable Start Time
- Real-time Operation
- User-friendly
- Low Cost

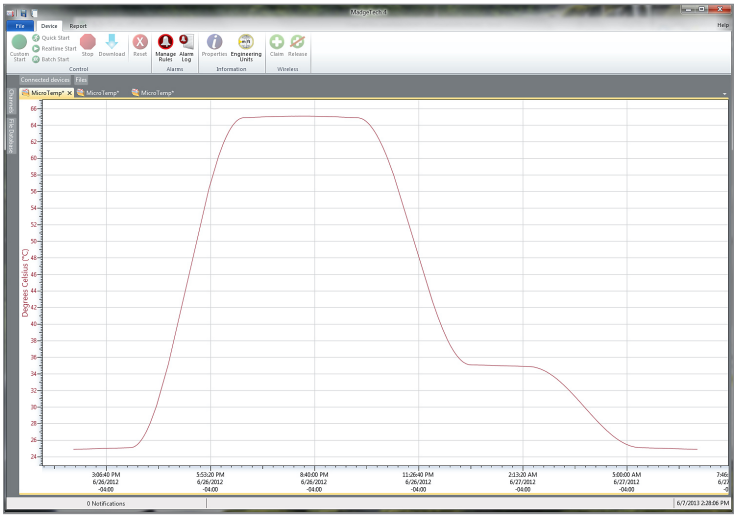
Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

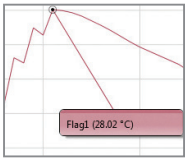
- Implement HACCP Programs
- Medical/Pharmaceutical
- Food Preparation and Processing
- Biomedical Research
- Dishwasher Testing
- Hostile Environment Monitoring
- Environmental Studies
- Well Monitoring

MadgeTech 4 Software Features

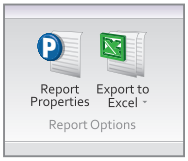


Graph View

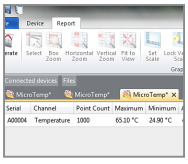
- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Summary view



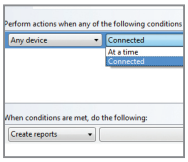
Cooling Flags



Export to Excel



Tabular Data View



Automation

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	Internal Semiconductor
Temperature Range	-40 °C to +80 °C (-40 °F to +176 °F)
Temperature Resolution	0.1 °C
Calibrated Accuracy	± 0.5 °C (0 °C to 50 °C) ± 1.0 °C (50.1 °C to 80 °C) ± 2.0 °C (-40.0 °C to -0.1 °C)

GENERAL	
Start Modes	Software programmable immediate start Delay start up to 6 months in advance
Real Time Recording	May be used with PC to monitor and record data in real time
Memory	32,767 readings
Wrap Around	Yes
Reading Rate	1 reading every 2 seconds up to 1 reading every 12 hours
LEDs	1 status and 1 alarm LED
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	3.6 V lithium battery included; user replaceable
Battery Life	1 year typical at +25 °C, 1 minute reading intervals
Data Format	Date and time stamped °C, K, °F or °R
Time Accuracy	±1 minute/month at +20 °C
Computer Interface	PC serial or USB (interface cable required); 38,400 baud
Operating System Compatibility	Windows XP SP3 or later
Software Compatibility	Standard Software version 2.00.58a or later Secure Software version 3.00.67 or later
Operating Environment	-40 °C to +80 °C (-40 °F to +176 °F), 0 %RH to 100 %RH
IP Rating	IP68
Dimensions	2.6 in x 0.7 in dia. (66 mm x 18 mm dia.)
Weight	1.8 oz (50 g)
Material	316 Stainless Steel
Approvals	CE

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 100 °C (212 °F).

Ordering Information

MicroTemp	PN 900367-00	Miniature Submersible Temperature Data Logger
IFC202	PN 900309-00	USB interface cable
ER14250	PN 900095-00	Replacement battery for the MicroTemp

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