

OT1000

MEAT TEMPERATURE LOGGER WITH FLEXIBLE EXTERNAL PROBE



Features

- Memory Wrap Around
- Software Configurable
- Real-time Operation
- Programmable Start Time
- User-friendly
- NIST Traceable
- IP67
- Food Safe

Benefits

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

Applications

- HACCP compliance
- Complying with USDA regulations
- Meat processing
- Meat storage
- Meat shipping
- Smoke houses
- Precision temperature recording
- Replace costly strip chart recorders
- Food process monitoring

The MadgeTech OT1000 is a temperature data logger equipped with a 4 in piercing probe. The OT1000's rugged design makes it perfectly suited for use in smokehouses, ovens and other cooking processes up to 212 °F (100 °C) as well as refrigerators and freezers down to -4 °F (-20 °C).

The OT1000 is made of food grade Tecaform® and features a convenient mounting hook. The device is rated as IP67 and is completely splash proof. The device can withstand wash down cycles making it the ideal logger for harsh environments.

The OT1000 is simple to use, just activate the logger in the software, insert the probe into the product and the logger will record the temperature though the process at the user selected reading rate. Once the process is complete, simply download the data to a PC for further analysis.

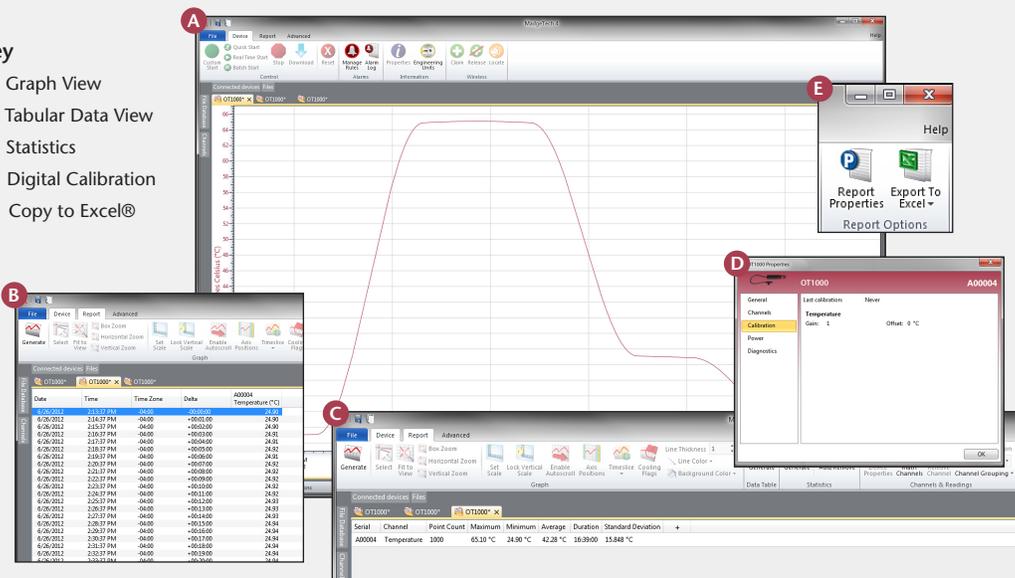
The MadgeTech data logging software efficiently provides users with the tools necessary to create reports and analyze data. MadgeTech's easy to use software also features user programmable critical control points, called "cooling flags" to assist in compliance with USDA Appendix B. The "cooling flags" are automatically annotated on the graph and tabular data views. The summary tab provides the cool down duration between each critical control point. The data can also be automatically exported to Excel® for further calculations.



MADGETECH DATA LOGGER SOFTWARE

Key

- A** Graph View
- B** Tabular Data View
- C** Statistics
- D** Digital Calibration
- E** Copy to Excel®



Software Features:

- 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
- Data table view
- Automatic report generation
- Summary view
- Multilingual

OT1000 SPECIFICATIONS*

Temperature**

Probe Measurement Range: -50 °C to +200 °C (-58 °F to +392 °F)

Resolution: 0.01 °C

Probe Calibrated Accuracy: ±0.1 °C for -10 °C to +150 °C
(+14 °F to +302 °F)
±0.5 °C (outside of that range)

Resistance

Nominal Range: 0 to 5000 Ω

Resolution: 0.001Ω

Calibrated Accuracy: ±0.015 Ω

Specified Accuracy Range: 0 to 500 Ω @ 25 °C

Temperature Effect on Span: <25 ppm/°C; <10 ppm/°C typical

Temperature Effect on Offset: <10 ppm cumulative over -30 °C to +70 °C (-22 °F to +158 °F)

Memory: 20,000 readings; software configurable memory wrap

Reading Rate: 1 reading every 2 seconds to 1 every 24 hours

**Temperature specifications based on ideal 100 Ω Pt RTD compliant with IEC 751 (1983) and ITS-90, 5000 Ω

General

Calibration: Digital calibration through software

Data Format: Date and time stamped °C, °F, K, °R, Ω

Time Accuracy: ±1 minute/month (at 20 °C to 30 °C)

Computer Interface: USB interface cable required; 115,200 baud

Battery Type: 3.6V lithium battery included; **user replaceable**

Battery Life: 1 year typical (1 min reading rate @ 25 °C)

Software: XP SP3/Vista/Windows 7/Windows 8

Operating Environment: -20 °C to +100 °C (-4 °F to +212 °F),
0 %RH to 100%RH non-condensing

Dimensions: Body: 8 in x 1.75 in dia. (203 mm x 44 mm dia.)
Hook ID: 0.5 in (13 mm)
Probe: 4 in x transitional diameter from 0.13 in to 0.11 in (101 mm x 3 mm to 2.8 mm dia)
Cable Length: 30 in (762 mm)

Weight: 8.8 oz (250 g)

Material: Body: TECAFORM®, food grade
Cable Jacket: Polyurethane

Approvals: CE, US (FCC), CA (IC)

BATTERY WARNING: 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 80 °C (176 °F).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

MODEL	DESCRIPTION	PRICE (U.S.)
OT1000	Foot & Meat temperature logger with external probe	\$399.00
IFC200	Software, manual and USB interface cable	\$119.00
*NIST	NIST Calibration Certificate	\$60.00
TLH-5903	Replacement battery for OT1000	\$15.00

ASK ABOUT
OUR OTHER
DATA
LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion

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

*To order the product with the NIST certificate add *-CERT* to the end of the part number and add \$60.00 to the price.