TEMPRECORD™

www.temprecord.com

ECONOLOG – General Multi Use

ECONOLOG™
MULTI USE TEMPERATURE RECORDER

OPERATING TEMPERATURE RANGE
CASE: -25°C~+60°C, -13°F~+140°F

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Out of limits

No flash = Ready & waiting to be started.
One flash every 10 seconds = Logging.

Within limits

To Start: Press button for 2 seconds – Red LED flashes 4 times. To Stop: Press button for 10 seconds – Red LED flashes 4 times. To Place Mark: Press button for 2 seconds. Red LED flashes 2 times.

WARNING Do not subject case to temperatures greater than +60°C. Contains Lithium Cell. Do not incinerate.

Only when button enabled
PRESS TO START/STOP OR MARK
Follow instructions above

CE ✓ 2103 △ NEMA 4X IP67

- ➤ **Accurate & Reliable** – Proven Temprecord performance and economy.
- ➤ **Applications** – Monitoring of perishable or temperature-sensitive products in transit as part of the cold chain.
- ➤ 8K non-volatile memory
- ➤ Standard accuracy is 0.5°C at 0°C or 1°F at 32°F (Logger Case temperature range is -25°C to +60°C or -13°F to +140°F)
  - guaranteed accuracy
  - no need for corrections/complex calculations to be applied to downloaded data
  - avoids human data entry errors, providing data integrity and peace of mind
- ➤ Corrected and validated at 3-Points to ISO/IEC 17025 Calibration Laboratory Standards
  - Blanket Calibration Certificate available
- ➤ Temperature Units: °C or °F
- ➤ Display Resolution: 0.01°C or 0.01°F
- ➤ TRW Software:
  - Hi-speed download
  - Serial RS-232 or USB connectivity
  - compatible with Windows XP, Vista & Windows 7
- ➤ Compliance made easy with automated PDF report generation. Use speed-buttons from TRW software to:
  - save as *.TR and/or *.PDF files
  - export to MS Excel – part or all samples
  - email
  - print
- ➤ Save time with Auto Mode (for batch programming):
  - Start / Stop / Status display
  - download/read recorded data
  - save downloaded file as *.TR or *.PDF
  - print file
  - email file
  - reuse logger
- ➤ Fully welded food grade plastic case
  - FDA approved
  - recyclable
- ➤ Case protection rating: waterproof to IP67 or NEMA 6

ECONOLOG GENERAL MULTI USE

TEMPRECORD ™

Economical Temperature Data Recording

Track the temperature of products accurately and easily with a quality affordable Econolog data logger. Print off reports, save as PDF files or *.TR files. Conduct experiments for temperature versus time with accuracy and reliability.

Multi Use Recorders

Use the Econolog data logger time and time again. After each use, download recorded data, reuse and the data logger is ready for its next application.

Guaranteed Accuracy to 0.5°C/1°F

The Econolog data loggers go through 3-Point correction check and validation process during manufacturing. Blanket Calibration Certificate in PDF is downloadable from the web site at: www.temprecord.com/certificates.html

8K Non-volatile Memory

The Econolog Multi Use data logger supports 8K of memory (7,935 samples). User-configurable sample period allows from 4.4 hours up to 2 years of data recording.

LED Status Indicators

'Within limits' (Green) LED Indicator and **'Out of limits'** (Red) LED Indicator allow instant confirmation of recorded data being within or outside of specified upper and lower temperature range.

Push Button Start/Stop or Mark

The Push Button (when enabled) allows User to **'Start'** or **'Stop'** the data logger anywhere without needing sophisticated software or hardware in the field. During recording, indication **'Markers'** can be included for future reference by pressing the button for two seconds until the red LED flashes two times. If button disabled then the logger can be started or stopped using Temprecord for Windows (TRW) software – available FREE!

Case Protection Rating
Waterproof to IP67 or NEMA 6 rated. Ultrasonically welded plastic case is durable in extreme conditions. FDA approved food grade casing.

LED Status Indicators
The 'Out of limits' (Red) LED Indicator and 'Within limits' (Green) LED Indicator allow instant confirmation of recorded data being within the specified temperature range. Software setup allows the selection of range limits and the number of samples out of range to activate the alarm feature.

Push Button
Integrated Push Button feature allows User to 'Start' or 'Stop' data logger in the field. Also allows for the setting of indication 'Markers' during data recording for future reference. Functionality of the Push Button can be enabled or disabled through TRW software.

Retaining Hole
Fully moulded and ultrasonically welded retaining hole for easy securing of the data logger within different environments.

DUNAPERU

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Parameter	Specifications
Model	ECONOLOG – Multi Use Temperature Data Logger
Memory	8K Non-volatile
Sample Capacity	Approx. 7,935 samples minimum
Sample Period	Programmable between 2 seconds and 36 hours in 2 second increments
Start Delay	Programmable between 10 seconds and 36 hours
Start and Stop	Logger Button (if enabled), Palm PDA/Reader, TRW Software/Reader
Recording Duration	4.4 hours to 2 years
Operating Temperature Range of Case	-25°C ~ +60°C, -13°F ~ +140°F
Operating Temperature Range of Data Logger	-25°C ~ +60°C, -13°F ~ +140°F
*Temperature Accuracy	0.5°C at 0°C or 1°F at 32°F
Display Resolution	0.01°C / 0.01°F
Within Limits Indicator	One flash from Green LED Indicator every 10 seconds
Out of Limits Indicator	One flash from Red LED Indicator every 10 seconds
Battery Type	Manganese Dioxide Lithium (3.0V)
Dimensions	129 x 73.5 x 14mm or $5^{1/8}$ x $2^{7/8}$ x $5/8$ inches
Weight	81g or 2.85oz
Case Colour	Red
Case and Protection Rating	IP67 or NEMA 6. Fully welded FDA approved food grade casing
Warranty Period	12 months on data logger from date of purchase 2 years on battery

*Accuracy is checked and certified to 0.5°C at temperatures 0°C / 1°F at 32°F