



www.temprecord.com

G4 Scientific – Advanced Multi Use



- **Accurate & Reliable** – Proven Temprecord performance, when product integrity is critical!
- **Applications** – Monitoring of critical temperature-sensitive products during research, scientific testing, production/processing, storage and transit. Uses include monitoring pharmaceuticals, research products & equipment or process/manufacture environments. Capable of monitoring temperatures as low as -90 °C / 112 °F with probe model.
- 32K non-volatile memory
- Calibrated temperature accuracy is ± 0.2 °C / 0.35 °F
- Logger Temperature range is:
 - Case: -50 °C to +75 °C or -58 °F to +167 °F
 - With probe: -90 °C to +110 °C or -130 °F to +230 °F
- 3-Point Calibration corrections built into logger:
 - superior accuracy guarantee
 - no need for corrections or complex calculations to be applied to downloaded data
 - avoids human error, providing data integrity and peace of mind
- Calibrated and corrected at 3-Points to ISO/IEC 17025 Calibration Laboratory Standard
 - traceable Calibration Certificate included
- Temperature Units: °C or °F
- Display Resolution: 0.01 °C or 0.01 °F
- TRW software:
 - hi-speed download
 - USB connectivity
 - compatible with Windows 7, 8 & 10
- 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



G4 Scientific ADVANCED MULTI-USE DATA LOGGER

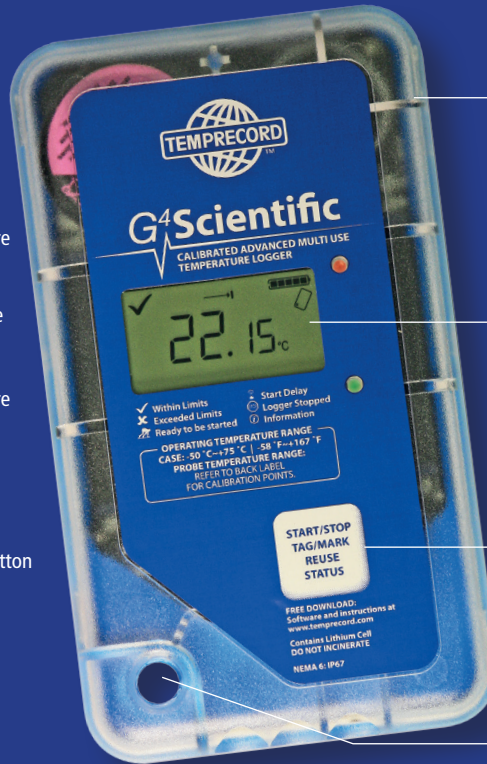


Low Temperature Range

Scientific data loggers feature a LOW temperature range Thermistor Sensor, allowing very low temperature recordings down to -90 °C / -130 °F with probe models.

LCD Status Screen

Simply hold down the Start button to navigate LCD screen options:



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

LCD Display Screen
By simply pressing the button to view data, the LCD screen will display additional information including: recorded data being within or outside of specific upper and lower temperature limits, time outside of limits, minimum and maximum Temperatures recorded ...plus more!

Push Button
Integrated Push Button feature allows User to 'Start' or 'Stop' data logger in the field. Also allows placing of markers. LCD screen will display important information when button is pressed sequentially to scroll through various screens.

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

Four External Probe Options



Parameter	Specifications
Model	G4 Scientific – Advanced Multi Use Temperature Data Logger
Memory	32K Non-volatile
Sample Capacity	Approx. 32,511 samples minimum
Sample Period	Programmable between 1 second and 18 hours
Start Delay	Programmable between 10 seconds and 23 hours
Start and Stop	Logger Button (if enabled), or TRW Software and a Temprecord Reader Interface
Recording Duration	9 hrs up to 2 years
Operating Temperature Range of Case	-50 °C to +75 °C or -58 °F to +167 °F
Operating Temperature Range with LOW Temperature probe	-90 °C to +110 °C or -130 °F to +230 °F
*Temperature accuracy without Probe	±0.2 °C / 0.35 °F over the range -20 °C to +50 °C or -4 °F to +122 °F, else ±0.5 °C / 0.9 °F
*Accuracy of logger with LOW Temp Probe	±0.2 °C / 0.35 °F over the range -40 °C to +50 °C or -40 °F to +122 °F, else ±0.5 °C / 0.9 °F
*Accuracy of logger with -90 °C Temp Probe	±0.8 °C / 1.44 °F or better at -90 °C
	*Refer to footnote for traceable calibration points. Calibration points for individual loggers are listed on the back of each logger
Display Resolution	0.01 °C or 0.01 °F
Within Limits Indicator	The ✓ flashes if values are all within limits The ✗ flashes if one or more limits have been exceeded
Out of Limits Indicator	The limit(s) that have been exceeded are shown by the upper limit symbol ⤴ and/or lower limit symbol ⤵
Battery Type	Lithium Thionyl Chloride (3.6V)
Logger Dimensions	L 77.5mm x W 73.5mm x 14mm or 3 x 2 7/8 x 5/8 inches
Weight	104g or 3.6oz
Case Colour	Blue base with a Blue label.
Case Protection	IP67 or NEMA 6. Fully welded FDA approved food grade casing
Warranty Period	24 months on data logger and battery from date of purchase. Warranty void if traces of water found within logger case
System Requirements	TRW 6.3 Software must be used to operate G4 display data loggers: <ul style="list-style-type: none"> • Download software from www.temprecord.com • Temprecord USB Reader interface is required • Compatible with Windows 7, 8 or 10

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*Accuracy is calibrated with a traceable reference thermometer for:
 • Non-probe models: ±0.2 °C (0.35 °F) at temperatures -15 °C, 0 °C and +40 °C
 • Standard low temp models: ±0.2 °C (0.35 °F) at temperatures -38 °C, 0 °C and +40 °C
 • -90 °C Temperature models: ±0.8 °C (1.44 °F) or better at temperatures -90 °C

