



www.temprecord.com

G4 HUMIDITY & TEMPERATURE – Multi Use



- ▶ **Durable, Reliable & Tamper Proof** – Temperature and Humidity recording where product life and product integrity are critical!
- ▶ **Applications** – Monitoring of RH and/or temperature sensitive products or equipment in storage, laboratories, production processes or transit. Uses include analysis of weight loss due to inadequate RH environment. Weight loss during storage means loss in product value. Applications also include monitoring of process/manufacture environments, HVAC systems within multi-level buildings or labs.
- ▶ 32K non-volatile memory (16K Temperature and 16K Relative Humidity)
- ▶ Calibrated temperature range is accurate to 0.2 °C / 0.35 °F and Relative Humidity to 3% RH (Logger Case temperature range is -25 °C to +60 °C or -13 °F to +140 °F)
 - Calibrated and corrected at 5-Points to ISO/IEC 17025 Calibration Laboratory Standards
- ▶ 3-Point Temperature and 2-Point RH Calibration built into logger:
 - Superior accuracy guarantee
 - No need for corrections or complex calculations to be applied to downloaded data
 - Avoids human data entry errors, providing data integrity and peace of mind
 - Traceable Calibration Certificate included
- ▶ Temperature Units: °C or °F and % RH
- ▶ Display Resolution: 0.01 °C or 0.01 °F or 0.1% RH
- ▶ TRW software:
 - Hi-speed download
 - Serial RS-232 or USB connectivity
 - Compatible with Windows 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: splashproof to IP56 or NEMA 4X



G4 RH MULTI USE DATA LOGGER

Temperature and Relative Humidity

Temprecord G4 RH data loggers record temperature and Relative Humidity data simultaneously. User configuration allows recording of just temperature, just RH, or both. RH recordings are temperature compensated within the RH sensor for higher accuracy and stability.

Accuracy & Traceability

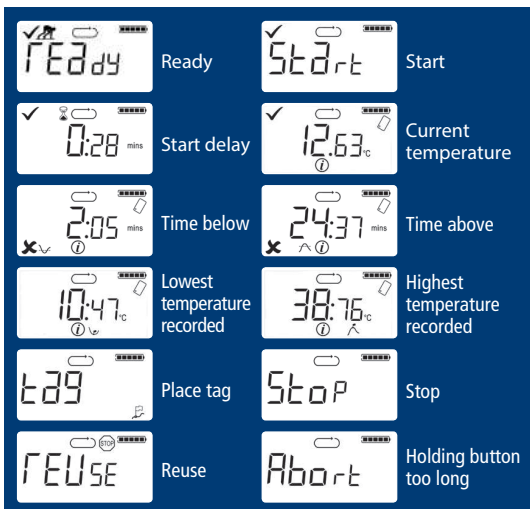
G4 RH data loggers go through a 3-Point temperature and 2-Point RH calibration and correction process during manufacturing. The corrections are then applied to each logger. Traceable Calibration Certificates are included with each logger from our ISO/IEC 17025 accredited laboratory. PDF copies of Calibration Certificates are also downloadable from the web site link: www.temprecord.com/certificates.html

32K Non-volatile EEPROM Memory

The G4 RH Multi Use data logger supports 32K of memory (32,511 samples). Prolonged multi-recording and data integrity are assured with premium quality EEPROM. User-configurable sample period provides from 16 hours up to 2 years of RH data recordings.

LED Status Indicators

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



RH Sensor Dust Covers Available

A dust cover is included with every RH Logger for extended reliability and protection from harsh environments.



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*Accuracy is calibrated with a traceable reference thermometer to 0.2°C (0.35°F) at temperatures -15°C, 0°C and +40°C. Humidity is calibrated to 3% at 30 and 65%.



Case Protection Rating

Splashproof to IP56 or NEMA 4X rated. Ultrasonically welded plastic case is durable in extreme conditions. FDA approved food grade casing.

RH Sensor

The humidity sensor is situated in a ventilated area of the Logger that is sealed from internal electronics.

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.



Parameter	Specifications
Model	G4 RH – Relative Humidity – Multi Use RH and Temperature Data Logger
Memory	32k Non-volatile
Sample Capacity	32,000 samples per use 16,000 RH and 16,000 temperature samples
Sample period	Programmable between 1 seconds 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	-25 °C to +60 °C or -13 °F to +140 °F
Range of case	
Temperature range with standard probe	-50 °C to +110 °C or -58 °F to +230 °F
*Temperature Accuracy	0.2°C / 0.35°F over the range -20°C / -4°F to +50°C / +122°F
Display Resolution	0.01 °C / 0.01 °F
Humidity Range	0.00% to 100% RH
Humidity Sensor Accuracy	3% RH from 12 to 80% RH. Otherwise, 4% RH from 0 to 12% and 80% to 100% RH
Within Limits Indicator	The ✓ flashes if values are all within limits The X 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 v
Battery Type	Manganese Dioxide Lithium (3 V)
Dimensions	L 77.5mm x W 73.5mm x 14mm
Weight	104g or 3.6oz
Case Colour	White (Beige)
Case Protection	Splashproof to IP56 or Nema 4X. FDA approved food grade casing
Warranty Period	12 months on data logger from date of purchase 12 months on battery
System Requirements	TRW 6.3 Software must be used to operate G4 display data loggers:

- Download software from www.temprecord.com
- Temprecord USB Reader interface is required
- Compatible with Windows 10