



**NIEUWKOOP**

# LEAFLET



## DATALOGGER RH - °C

RG2013, RG2023, RG2030



TO MEASURE  TO KNOW



## MULTI-USE TEMPERATURE RECORDER

The dataloggers are versatile, wide range, multi-trip Temperature and/or rel. humidity Recorders, featuring high resolution temperature readings over a measurement range of -40°C to +85°C and/or 0-100%RH.

Enclosed in a robust and durable polycarbonate case, the dataloggers features a real time clock, which provides date/time stamps for each temperature- and/or rel. humidity reading.

### **RG2013**



### **RG2023**



### **RG2030**



### **RG7100**



Using the RG7100 Interface and the freely available companion software, the dataloggers are easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the ALERT indicator. Readings are downloaded using software, which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as Excel.





## Product Highlights

- Alert indicator – indicates if readings are outside of preset limits
- OK indicator indicates if still recording and if readings within configured limits
- Inspection mark in log by push button
- Push Button Logging start
- Rapid Download! Takes only seconds to download recordings
- 'Pre-Start' logging – datalogger can be configured to record even if it has not been started.
- High performance at low cost
- Credit card sized case – thin enough to be easily mailed "letter rate".
- Real time clock records time & temperature simultaneously
- Easy to use datalogger software that runs on any PC configures software for recording
- then downloads resulting data for analysis. Data can also be exported to formats compatible
- with other applications such as Excel
- RG2013: Complies with industry standards including EN12830.
- RG2013: WHO PQS Pre-qualified under E06/06: PQS CODE E006/00.
- Industry best download time – less than 5 seconds for full memory

## Applications

Cold Chain – Pharmaceuticals – Produce/Meat/Dairy – Agriculture & Floral – Office & Warehouse – Museums – Chemicals – Laboratories – Server room

**TECHNICAL SPECIFICATIONS**

Sensor Measurement Range	: RG2013/RG2023 = -40°C to +85°C and RG2030 = -25°C tot +70°C.
Storage Temperature Range	: 0°C to +40°C (-32°F to +140°F).
Humidity Measurement Range	: 0% RH to 100% RH, with limitations.
Storage Humidity Range	: 0-65%, non-condensing.
Humidity Resolution	: Better than 0.1% RH.
Temperature Resolution	: Better than 0.1°C or 0.1°F
Recording Capacity	: 8,031 pairs of humidity and temperature readings. 53 days @ 10min logging, 80 days @ 15min logging.
Sampling Interval	: Configurable from 30 seconds to several hours.
Logging Start Options	: Push button start or specific date & time. Optional start delay of up to 18hours.
Recording Indication	: Flashing 'OK' indicator / flashing 'ALERT' indicator.
Download Time	: Typically less than 10 seconds for full memory (8,031 pairs of humidity and temperature readings), depending on computer or readout device used.
Environmental	: RG2023 = IP61 RG2023 = IP65 (roughly equivalent to NEMA 4) RG2030 = IEC 60529: IP64 with USB cap fitted.
Power Source:	: 3V Li-Mg Battery.
Battery Life	: 2 - 3 years of normal use (based on 15 minute logging, download data monthly).
Real Time Clock	: Built-in real time clock. Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (i.e typically +/- 0.00294 seconds/day/°C).
Size	: RG2013 = 86mm(H) x 54.5mm(W) x 8.6mm(T). RG2023 = 86mm(H) x 54.5mm(W) x 8.6mm(T). RG2030 = 93mm(H) x 54.5mm(W) x 8.6mm(T) incl. USB cap.
Weight	: RG2013 = 33g, RG2023 = 34g en RG2030 = 36g
Case Material	: Polycarbonate.
Compliance and Certifications	:    



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