

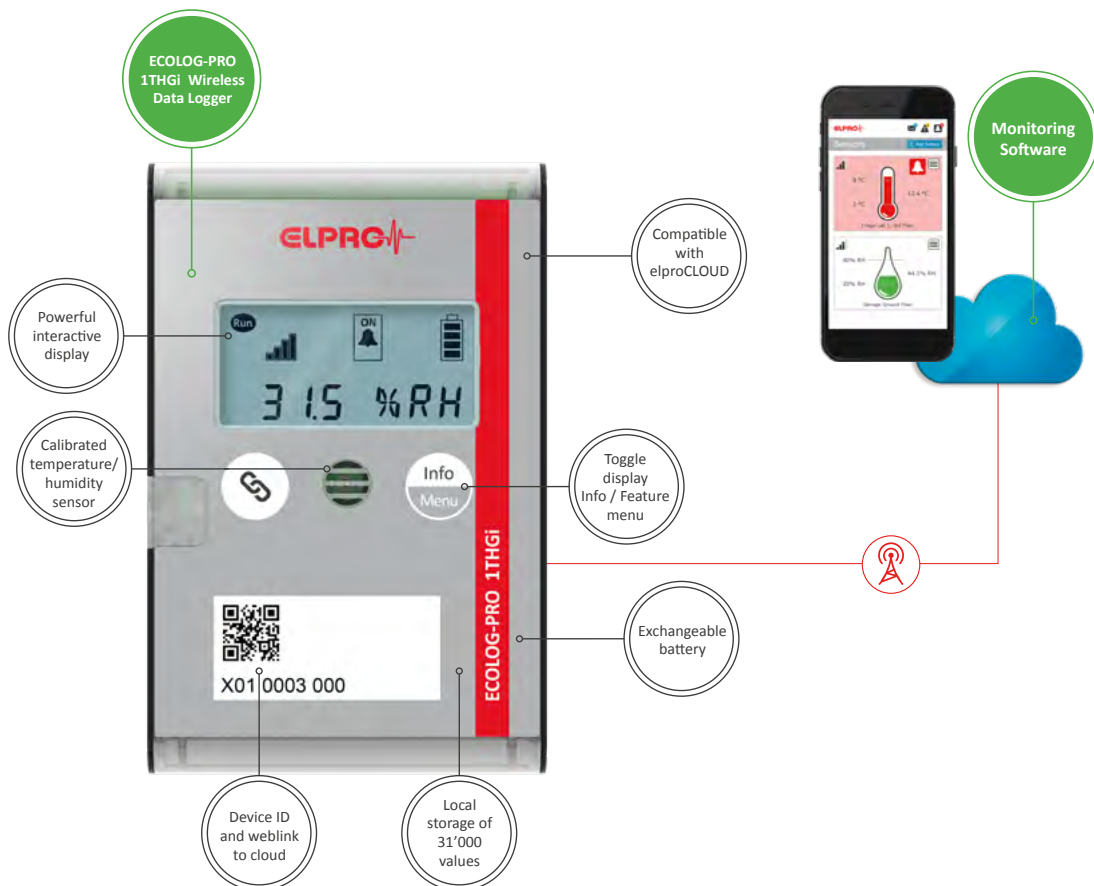


TECHNICAL SPECIFICATIONS

# ECOLOG-PRO 1THGi

Wireless IoT data logger with internal temperature/humidity probe for elproCLOUD

ECOLOG-PRO 1THGi is an easy and versatile solution to monitor your valuable goods stored in refrigerators, freezers or ambient conditions. Battery-operated and wireless, cellular network ensure plug and play – set-up is easy and only takes a few minutes. Simply register the sensor on your elproCLOUD account and place it in your room or equipment. A reliable internal storage capacity for thousands of measurements ensures all your valuable data are sent to elproCLOUD. The elproCLOUD web application aggregates all your sensor data to provide a convenient, comprehensive overview, sending out alerts if alarm limits are breached. Optionally, a robust, lockable bracket is available.



we prove it.

SWISS QUALITY



- > Monitors your valuable goods in rooms, refrigerators or freezers
- > Highly accurate and 100% calibrated temperature/humidity sensor
- > Simple and safe in use and application
- > Flexible positioning thanks to cellular communication
- > Compatible with elproCLOUD

## Technical Specifications ECOLOG-PRO 1THGi

<b>Type</b>	Wireless IoT data logger with internal temperature/humidity probe	
<b>Application area</b>	Climate monitoring for rooms, refrigerators, freezers	
<b>Sensors</b>	Combined Temperature / Relative Humidity sensor Light sensor	
<b>Measurement range</b>	Measurement range of internal sensor: -30 °C..+70 °C	
<b>Application range</b>	0 °C..+55 °C for Alkaline battery / -40 °C..+55 °C for LiFe battery (only short term use above and below application range allowed)	
<b>Measurement accuracy</b>	<b>Temperature</b> ±1.0 °C for -30.0 °C..-20.1 °C ±0.5 °C for -20.0 °C..-0.1 °C ±0.4 °C for 0.0 °C..+65.0 °C ±0.5 °C for +65.1 °C..+70 °C	<b>Humidity (RH @ 23 °C)</b> ±2.5 %RH for 0 %RH..90% RH ±3.5 %RH for 90.1 %RH..100% RH
<b>Measurement Resolution</b>	0.1 °C	
<b>Measurement interval</b>	15, 20, 30, 60 minutes; user programmable via software (elproCLOUD)	
<b>Cellular network</b>	LTE-M and NB-IoT (Global Roaming)	
<b>Communication interval</b>	30 min to 6 hours, user programmable, event-driven immediate communication (e.g. temperature excursion)	
<b>Measurement capacity</b>	31'000 measurement values	
<b>Battery life</b>	Started data logger runs up to 14 months, batteries are exchangeable. Use below 0 °C and above +40 °C over a longer period of time and / or intensified communication behavior (e.g. bad connection) can shorten battery life	
<b>Battery type</b>	2 × Alkaline AA (for refrigerators or ambient) or 2 × LiFe AA (for freezer applications)	
<b>Display</b>	Multifunction LCD, size: 42 × 20 mm	
<b>Certificate</b>	Manufacturer validation certificate per delivery, production validation and 3-point calibration certificate (ILAC/NIST/ISO 17025 traceable) per ID number via compliance.elpro.com, additional customer-specific calibration points optionally available.	
<b>Traceability</b>	Unique ID number (traceable to component level) + IMEI (International Mobile Equipment Identity)	
<b>Reporting</b>	Via software (elproCLOUD)	
<b>Case   dimension   weight</b>	ABS plastic material   100 × 65 × 19 mm (3.9 x 2.5 x 0.7 in)   125 g (4.4 oz)	
<b>Conformity</b>	CE   FCC   UKCA   ICES   RoHS   UN38.3   WEEE   NCC   RSM   TDRA   ENACOM   IMDA   MIC   ACMA/RCM	
<b>Standards</b>	EN 12830   RTCA DO-160 (EMC)   GAMP5	