



ECOLOG-PRO 1THGi

- > 100% calibrated & compliant
- > Temperature / Humidity Monitoring
- > Compatible with ELPRO Cloud



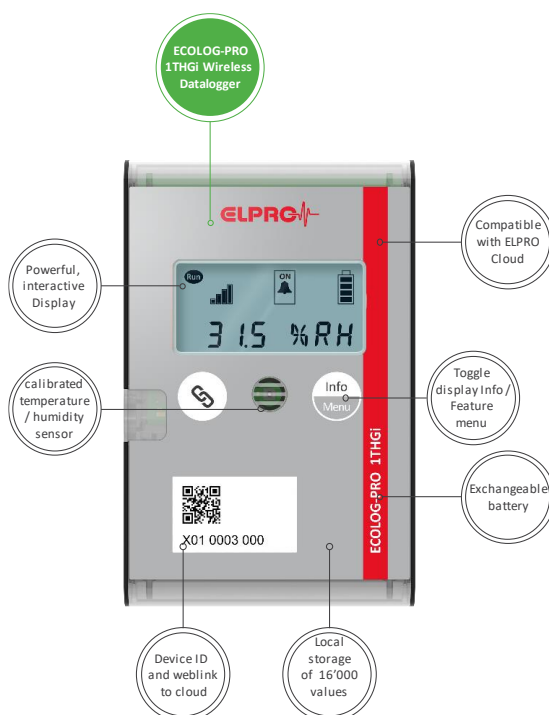
(PRELIMINARY) TECHNICAL SPECIFICATIONS



ECOLOG-PRO 1THGi

Cellular logger with combined temperature / humidity probe for ELPRO Cloud

ECOLOG-PRO 1THGi is an easy and versatile solution to monitor your valuable materials 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 ELPRO Cloud 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 ELPRO Cloud. The ELPRO Cloud 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 ELPRO Cloud

Technical Specification ECOLOG-PRO 1THGi (preliminary)

Type	Wireless temperature / humidity logger	
Application area	Climate monitoring for rooms, refrigerators, freezers	
Sensors	Combined Temperature/Relative Humidity sensor Light sensor	
Measurement range	Measurement range of internal sensor: -30 °C..+70 °C	
Application range	0 °C..+55 °C for Alkaline battery / -40 °C..+55 °C for LiFe battery (only short term use above and below application range allowed)	
Measurement accuracy	Temperature ±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	Humidity (RH @ 23 °C) ±2.5 %RH for 0 %RH..90% RH ±3.5 %RH for 90.1 %RH..100% RH
Measurement Resolution	0.1 °	
Measurement interval	10, 15, 20, 30, 60 minutes; user programmable via software (ELPRO Cloud)	
Cellular network	LTE-M and NB-IoT (Global Roaming)	
Communication interval	1 to 24 hours, user programmable, event-driven immediate communication (e.g. excursion, last will)	
Measurement capacity	16'000 measurement values	
Battery life	14 months (+ 12 months shelf life) 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	
Battery type	2 x Alkaline AA (for refrigerators or ambient) or 2 x LiFe AA (for freezer applications)	
Display	Multifunction LCD, size: 42 x 20 mm	
Certificate	Calibration certificate (3-points); additional calibration points or ISO 17025 certification available Validation Certificate	
Traceability	Unique ID number (traceable to component level)	
Reporting	via software (ELPRO Cloud)	
Case dimension weight	ABS plastic material 100 x 65 x 19 mm (3.9 x 2.5 x 0.7 in) 134 g (4.7 oz)	
Conformity	CE FCC ICES RoHS WEE EASA	
Standards	EN 12830 RTCA DO-160 (EMC) GAMP5	