

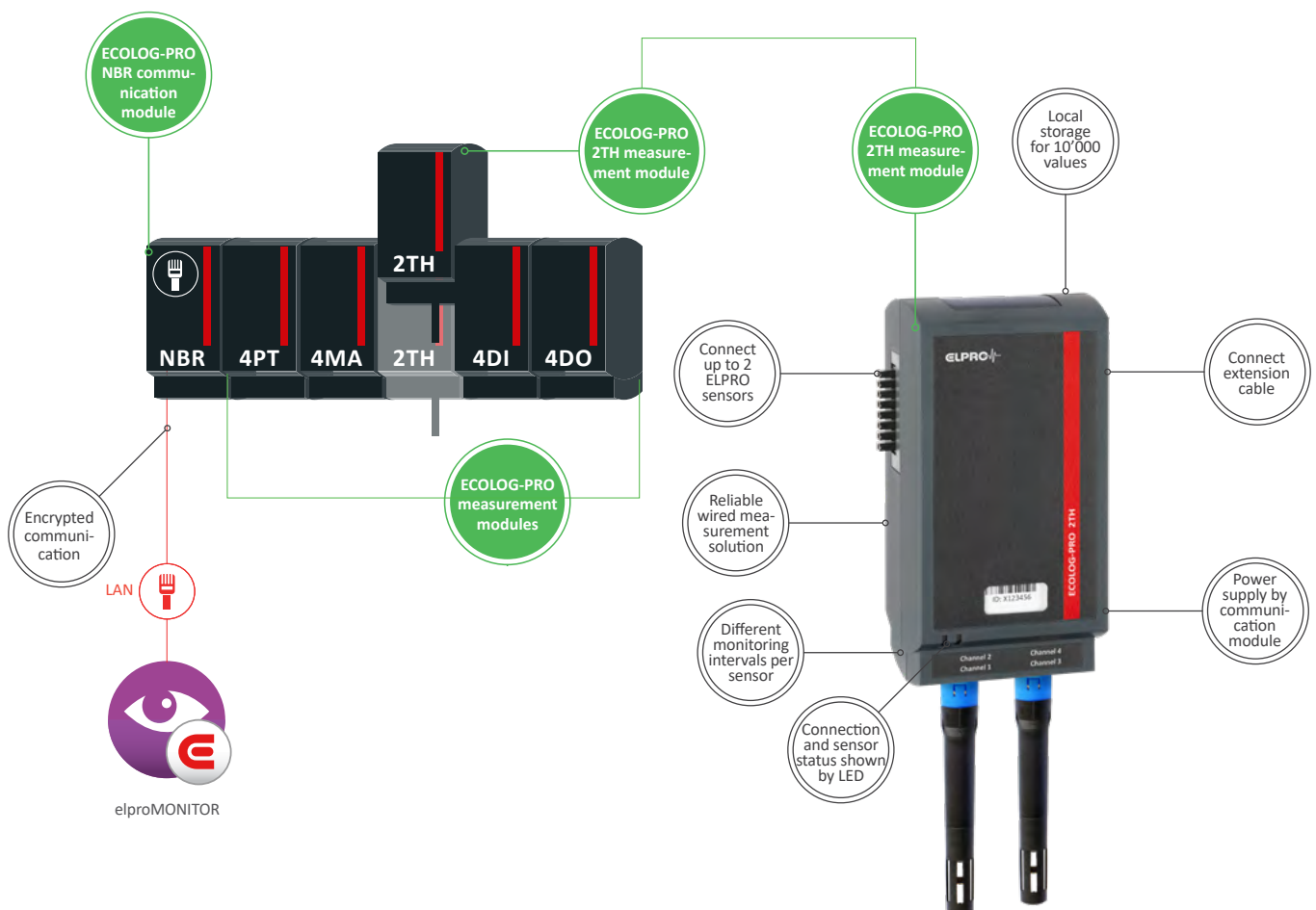


## TECHNICAL SPECIFICATIONS

# ECOLOG-PRO 2TH

Measurement module to connect ELPRO temperature and humidity sensors

ECOLOG-PRO 2TH is a flexible and reliable measurement solution for temperature and humidity to monitor your valuable materials stored in any environment. 2 ELPRO sensors with extension cables can be connected to the module. The measurement module is connected and powered by the ECOLOG-PRO NBR communication module. A reliable internal storage capacity for thousands of measurements ensures all your valuable data are sent to elproMONITOR even when the connection is lost temporarily. ELPRO's industry-leading software elproMONITOR, integrated into your IT infrastructure and database, monitors hundreds or even thousands of monitoring points with wired or wireless sensors.



we prove it.

SWISS QUALITY



- > Monitors your valuable goods in rooms or equipment
- > Connects up to 2 ELPRO sensors with extension cables
- > Local storage for 10'000 values
- > Power supply by communication module
- > Compatible with elproMONITOR

## Technical Specifications ECOLOG-PRO 2TH

<b>Type</b>	Wired temperature and humidity measurement modul	
<b>Application area</b>	Environmental monitoring for any environment (warehouses, rooms, clean rooms, freezers, deep freezers, ULT freezers, cryo-environment ...)	
<b>Type of sensor</b>	Wired external PRO_TRH_nSens temperature and humidity sensor	
<b>Sensor connection</b>	Directly on the measurement module or with ECA_ECOLOGPRO 2TH extension cables Cable length: 5 m, 10 m, 30 m	
<b>Measurement range</b>	Temperature: -20 °C..+80 °C (depending on the connected sensor)	Relative humidity: 20 %RH..80 %RH or 0 %RH..100 %RH (depending on the connected sensor)
<b>Measurement accuracy</b>	Depending on the connected sensor	
<b>Measurement resolution</b>	0.1 °C, ±0.5 %rH	
<b>Measurement interval</b>	1, 2, 3, 5, 10, 15, 20, 30, 60 minutes; depending on configuration of sensors, different intervals per sensor possible	
<b>IP protection class</b>	IP20	
<b>Environmental storage temperature / humidity</b>	-10 °C..+50 °C 10 %RH..90 %RH, non-condensing	
<b>Environmental operating temperature / humidity</b>	0 °C..+40 °C 10 %RH..90 %RH, non-condensing	
<b>Operating altitude</b>	This device must not be used at altitudes higher than 2000 meters above sea level.	
<b>Power supply</b>	Power supply by communication module (system bus)	
<b>Display</b>	2 LED for communication and sensor status	
<b>Traceability</b>	ID number (traceable to component level)	
<b>Report</b>	Via software (elproMONITOR)	
<b>Case   dimension</b>	ABS plastic material   137 mm (5.39 inch) × 70 mm (2.76 inch) × 57 mm (2.24 inch)	
<b>Certifications   conformity</b>	CE   RoHS	
<b>Connection to communication module</b>	Internal system bus (modbus)	
<b>Compatible communication module</b>	ECOLOG-PRO LBR / ECOLOG-PRO NBR	
<b>Declaration of conformity</b>	<a href="https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/DOC-Conformity_ECOLOG-PRO_NBR.pdf">https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/DOC-Conformity_ECOLOG-PRO_NBR.pdf</a>	