

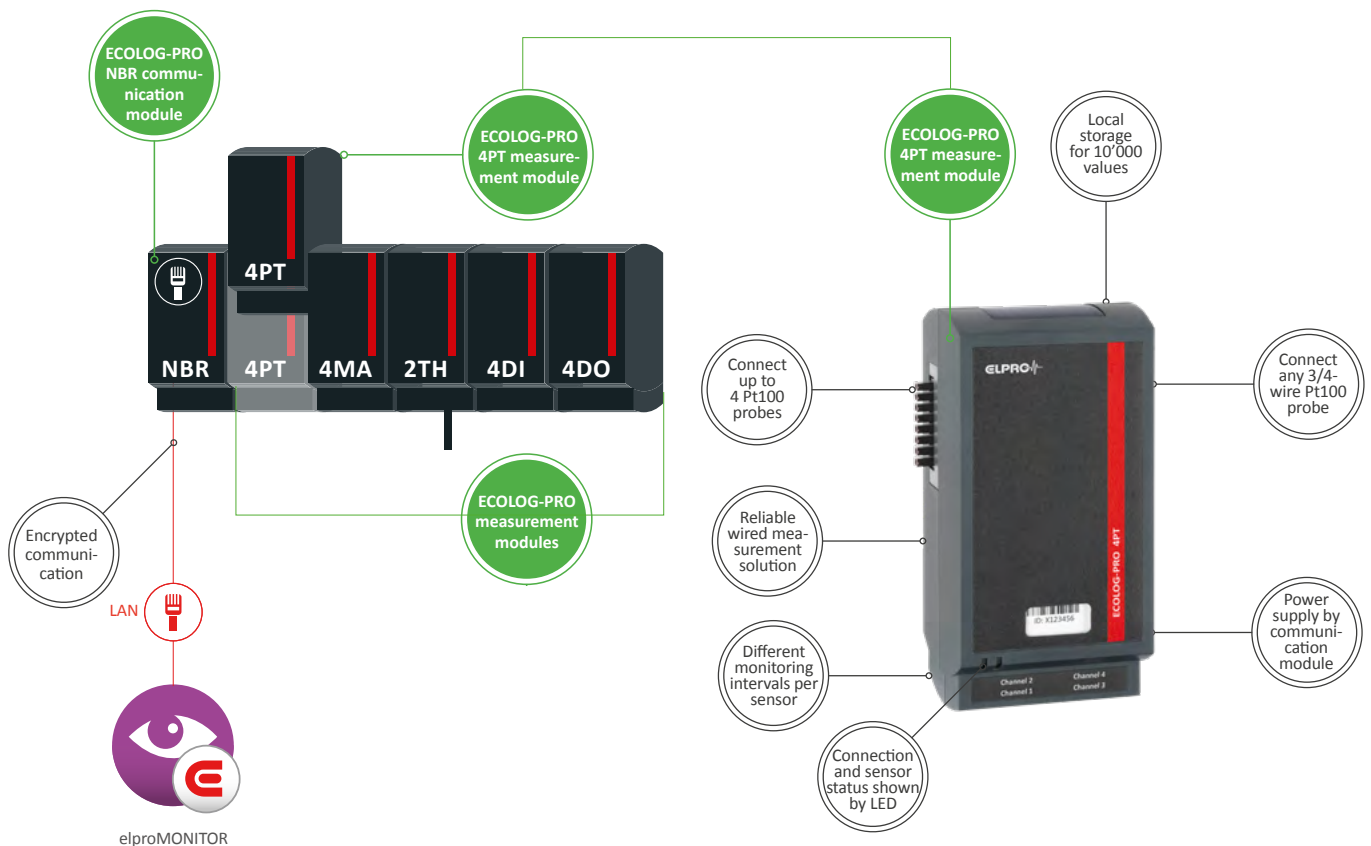


TECHNICAL SPECIFICATIONS

ECOLOG-PRO 4PT

Measurement module to connect 3/4-wire Pt100 probes

ECOLOG-PRO 4PT is a flexible and reliable measurement solution for temperature to monitor your valuable materials stored in any environment. Up to 4 wired 3/4-wire Pt100 probes with individual cable lengths 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 infra-structure 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, freezers, ULT-freezers or cryo
- > Connects wired 3/4-wire Pt100 probes
- > Up to 4 Pt100 probes with different cable lengths
- > Local storage for 10'000 values
- > Power supply by communication module
- > Compatible with elproMONITOR

Technical Specifications ECOLOG-PRO 4PT

Type	Measurement module for wired external Pt100 temperature probes			
Application area	Environmental monitoring for any environment (warehouses, rooms, clean rooms, freezers, deep freezers, ULT freezers, cryo-environment ...)			
Type of probe	4 independent temperature channels with separate external connected 3/4-wire Pt100 probes			
Probe connection	Cable length:	up to 30 m	30 m..50 m	50 m..80 m
	Cable diameter:	4 × 0.34 mm ²	4 × 0.34 mm ²	4 × 0.34 mm ²
	Shielding:	No	Yes	Yes
	Additional cable error:	±0.06 °C	±0.07 °C	±0.2 °C
Measurement range	-200 °C..+200 °C (depending on the connected probe)			
Measurement accuracy	±0.2 °C (excl. additional probe and cable error)			
Measurement resolution	±0.1 °C			
Measurement interval	1, 2, 3, 5, 10, 15, 20, 30, 60 minutes; depending on configuration of sensors, different intervals per sensor possible			
IP protection class	IP20			
Environmental storage temperature / humidity	-10 °C..+50 °C 10 %RH..90 %RH, non-condensing			
Environmental operating temperature / humidity	0 °C..+40 °C 10 %RH..90 %RH, non-condensing			
Operating altitude	This device must not be used at altitudes higher than 2000 meters above sea level.			
Power supply	Power supply by communication module (system bus)			
Display	2 LED for communication and sensor status			
Traceability	ID number (traceable to component level)			
Report	Via software (elproMONITOR)			
Case dimension	ABS plastic material 137 mm (5.39 inch) × 70 mm (2.76 inch) × 57 mm (2.24 inch)			
Certifications conformity	CE RoHS ACMA/RCM			
Connection to communication module	Internal system bus (modbus)			
Compatible communication module	ECOLOG-PRO LBR / ECOLOG-PRO NBR			
Declaration of Conformity	https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/DOC-Conformity_ECOLOG-PRO_NBR.pdf			