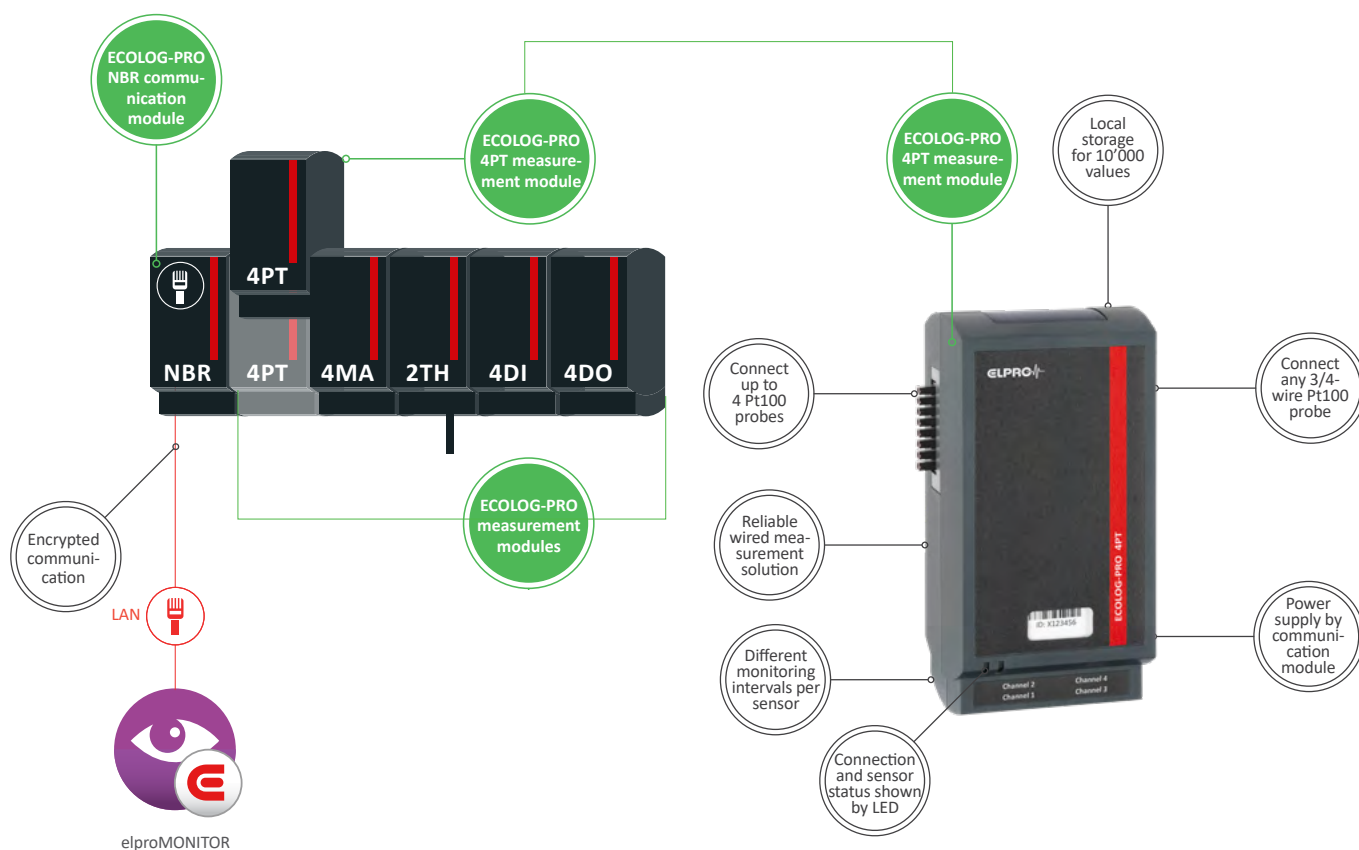# ECOLOG-PRO 4PT

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 mm² 4 × 0.34 mm² 4 × 0.34 mm² 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
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

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