

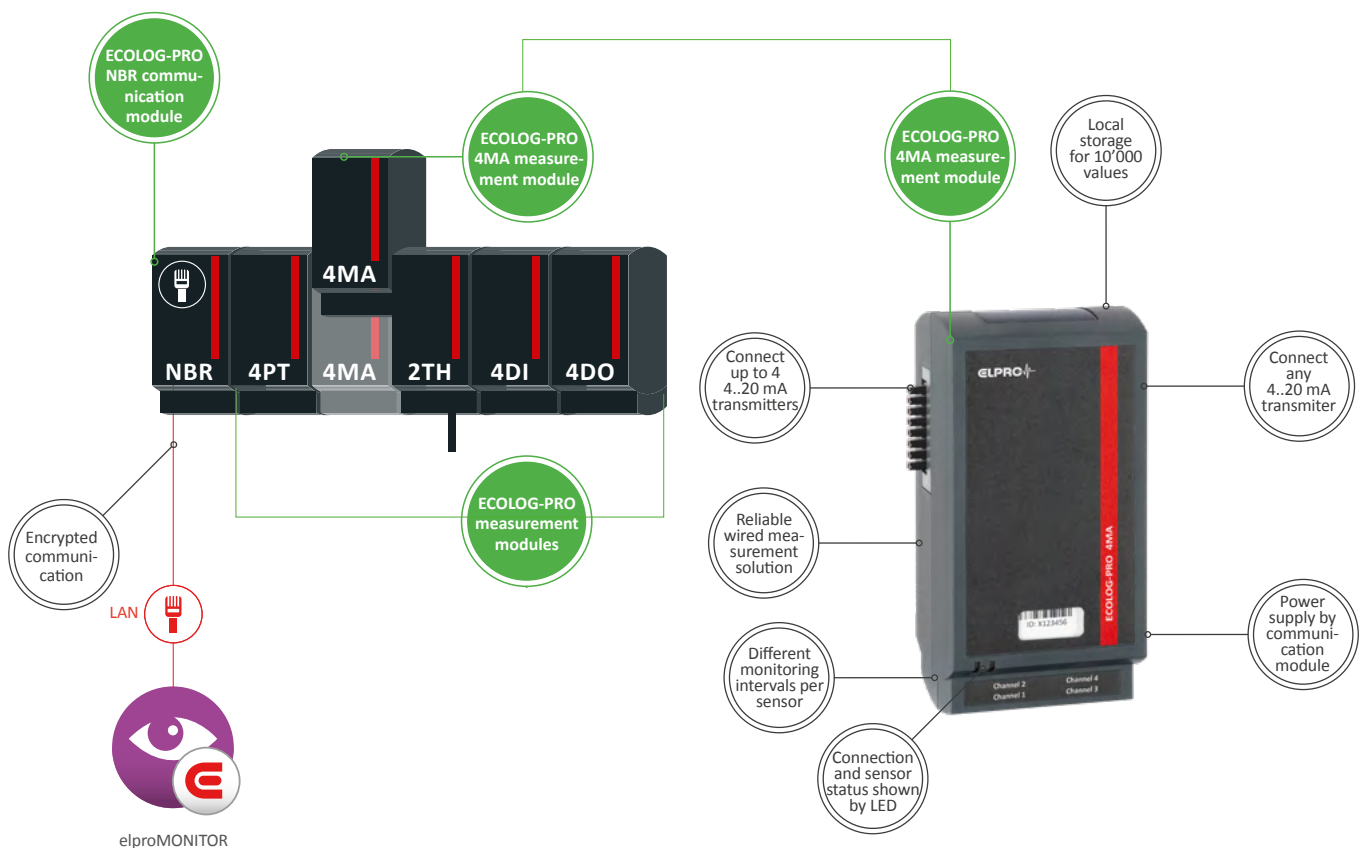


TECHNICAL SPECIFICATIONS

ECOLOG-PRO 4MA

Measurement module to connect 4..20mA transmitters

ECOLOG-PRO 4MA is a flexible and reliable measurement solution for any possible measure to monitor your valuable materials stored in any environment. Up to 4 wired 4..20 mA transmitters/probes with individual cable lengths can be connected to and powered by 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 any environment with any measure
- > Connects up to 4 wired 4..20 mA transmitters/probes
- > Power supply for external 4..20 mA transmitters
- > Local storage for 10'000 values
- > Power supply by communication module
- > Compatible with elproMONITOR

Technical Specifications ECOLOG-PRO 4MA

Type	Measurement module for wired external 4..20 mA transmitters/probes for supporting any measure
Application area	Environmental monitoring for any environment (warehouses, rooms, clean rooms, freezers, deep freezers, ULT freezers, cryo-environment ...)
Type of probe	4 independent channels with separate external connected 4..20 mA transmitter/probes of any measure
Probe connection	Cable length max. 200 m; internal transmitter power supply 24 VDC $\pm 20\%$; external transmitter supply possible $P_{\max}$ 3 W per module, measurement burden 50 Ω ..100 Ω
Measurement range	3.6 mA..20.4 mA
Measurement accuracy	± 0.04 mA
Measurement resolution	Depending on the measure
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