

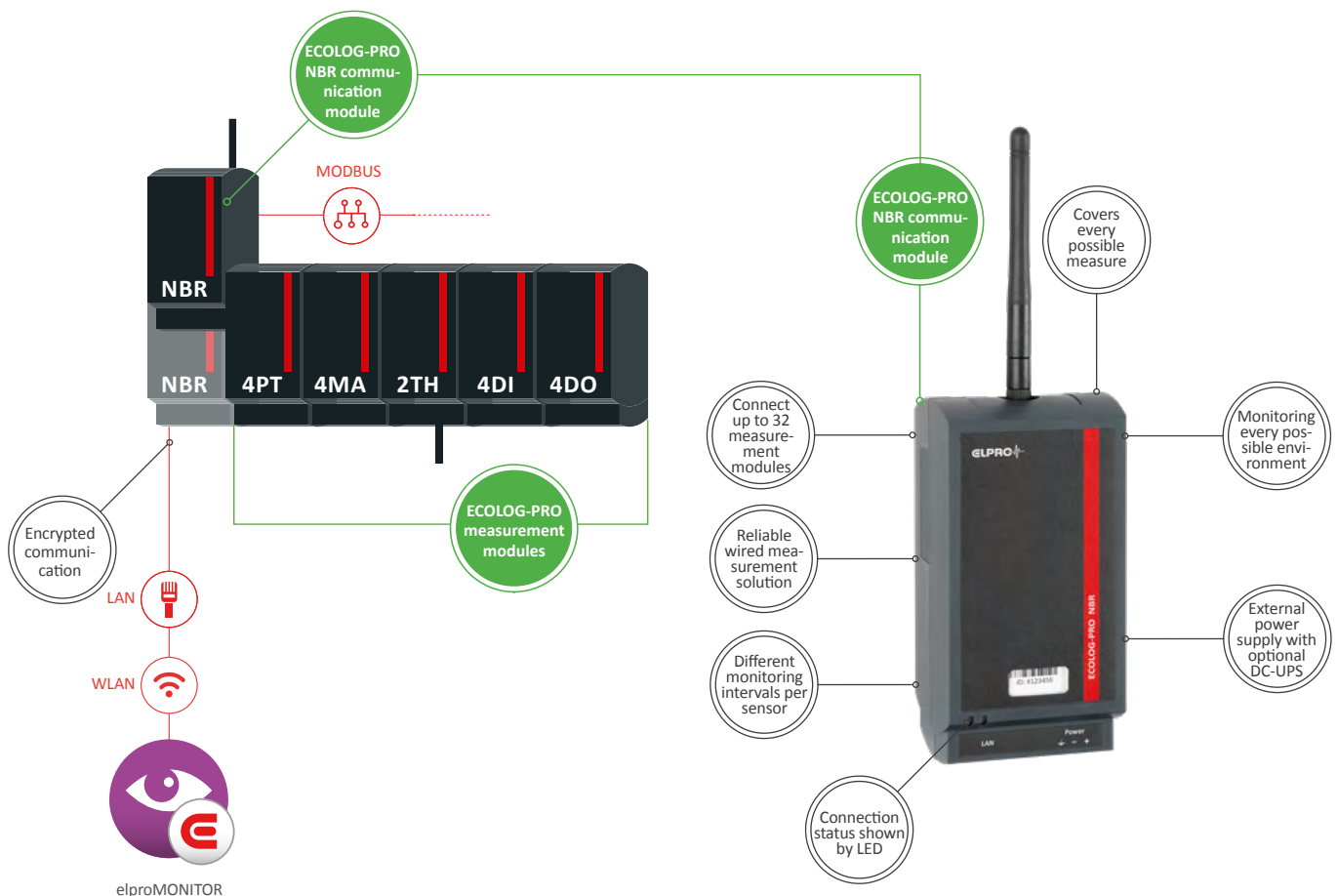


TECHNICAL SPECIFICATIONS

ECOLOG-PRO NBR

Communication module to connect wired measurement modules to elproMONITOR

The ECOLOG-PRO NBR (Network bridge) connects wired ECOLOG-PRO measurement modules and sends encrypted measurement data to elproMONITOR via your network. Set-up of the system and possibly needed Validations, Qualifications or Calibration is performed by our well-trained technicians. ECOLOG-PRO NBR provides a highly reliable, dynamic connection between measurement modules and elproMONITOR, ensuring no gaps in your data. Up to 32 Measurement modules can be connected to the ECOLOG-PRO NBR in any sequence, covering measures like temperature, temperature/humidity, 4-20 mA signals, digital inputs or digital outputs. 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



- Connects wired measurement modules and cabled sensors to monitor your valuable goods in any environment
- Up to 32 measurement modules in any sequence covering any measure
- Secure, encrypted communication
- External power supply unit
- Compatible with elproMONITOR

Technical Specifications ECOLOG-PRO NBR

Type	Communication module for wired measurement modules
Application area	Environmental monitoring for any environment (warehouses, rooms, clean rooms, freezers, deep freezers, ULT freezers, incubators ...)
Maximum number of connected measurement modules	32 (max. 2500 mA) Note: The maximum number of measuring modules is also determined by the specification of the power supply.
Communication 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	External power supply unit no PoE (Power over Ethernet)
Power supply unit	Plugs: Europe, United Kingdom, USA Input voltage: 100 VAC..264 VAC, 50 Hz..60 Hz Output voltage: 24 VDC ±5 % Output current: 1250 mA max. DIN-rail mounting: Output voltage: 24 VDC ±5 % Output current: 2500 mA max. Note: The module may only be operated with the supplied power supply unit.
DC-UPS (uninterruptible power supply)	Optional, 1.2 Wh..17 Wh
Display	2 LED for connection/communication to elproMONITOR and connection/communication to measurement modules
Traceability	ID number (traceable to component level)
Case dimension	ABS plastic material 137 mm (5.39 inch) × 70 mm (2.76 inch) × 57 mm (2.24 inch) without antenna. 245 mm (9.64 inch) with unfolded antenna, 163 mm with folded antenna (6.41 inch)
Certifications conformity	CE RoHS
Connection to communication module	Internal system bus (modbus)
Connection to elproMONITOR	– Via Ethernet cable, Cat 5e or higher; shielded cables mandatory for cable lengths > 3 meters; Speed: 10 Mbit or 100 Mbit; – Via WLAN 2.4 GHz; IP configuration: DHCP (default) or static.
Compatible measurement module	ECOLOG-PRO 4PT, ECOLOG-PRO 4MA, ECOLOG-PRO 2TH, ECOLOG-PRO 4DI and ECOLOG-PRO 4DO
Declaration of Conformity	https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/DOC-Conformity_ECOLOG-PRO_NBR.pdf