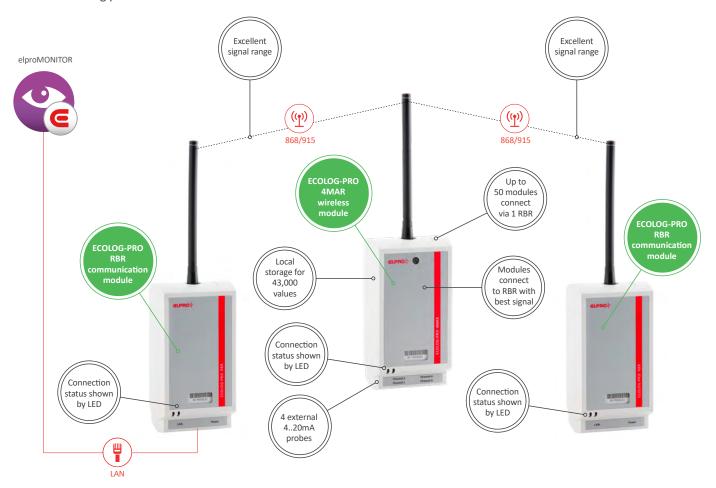


**TECHNICAL SPECIFICATIONS** 

## **ECOLOG-PRO 4MAR**

## Wireless measurement module to connect 4..20 mA transmitters

ECOLOG-PRO 4MAR 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 via Radio to the ECOLOG-PRO RBR 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.



- > 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 of 43,000 values per module
- > Compatible with elproMONITOR

## Technical Specification ECOLOG-PRO 4MAR

Туре	Measurement module for wired external 420 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 420 mA transmitter/probes of any measure
Probe connection	Internal transmitter power supply 24 VDC $\pm$ 20%; external transmitter supply possible $P_{\text{max}}$ 12 W per module
Measurement range	3.6 mA20.4 mA
Measurement accuracy	±0.04 mA
Measurement resolution	0.001 mA
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% RH90% RH, non-condensing
Environmental operating temperature / humidity	0 °C+40 °C 10% RH90% 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 external power source (802098/802096) original accessories from ELPRO. 24 VDC ±20%
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 (868 MHz)   RoHS   FCC (915 MHz)   ICES (915 MHz)   WEEE   ENACOM (915 MHz)
Connection to communication module	Available in two versions with 868 MHz or 915 MHz Note: Only the supplied antenna may be used
ompatible communication module	ECOLOG-PRO RBR
Declaration of Conformity	https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/US_Declaration_of_Conformity_ ECOLOG_PRO_4MAR_915.pdf https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/EU_Decleration_of_Conformity_ ECOLOG_PRO_4MAR_868.pdf https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/UKCA_Declaration_of_Conformity_ ECOLOG_PRO_4MAR.pdf