



ECOLOG-PRO 4MAR

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.



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

Technical Specification ECOLOG-PRO 4MAR

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	Internal transmitter power supply 24 VDC $\pm 20\%$; external transmitter supply possible P_{\max} 12 W per module
Measurement range	3.6 mA..20.4 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% 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 external power source (802098/802096) original accessories from ELPRO. 24 VDC $\pm 20\%$
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) \times 70 mm (2.76 inch) \times 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
Compatible 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_Declaration_of_Conformity_ECOLOG_PRO_4MAR_868.pdf https://www.elpro.com/hubfs/fileadmin/Docs/Quality_Documents/UKCA_Declaration_of_Conformity_ECOLOG_PRO_4MAR.pdf