ECOLOG-NET Network Dataloggers
for Central Monitoring Systems
ECOLOG-NET dataloggers combine the assets of autonomous and safe data logging with the advantages of modern network technology. From the real time display of data points on each PC in your company to fully automated data saves, the new generation of network-compatible dataloggers opens fascinating possibilities for simplifying your workflows in the field of process and quality monitoring.

Safety and convenience
ECOLOG-NET dataloggers are the ideal units for logging temperature, relative air humidity or 4-20mA signals. The dataloggers store the recorded data in their internal memory. This data can be loaded to the PC via the network. The system offers the highest level of data safety as the datalogger continues data point logging even in the event of a power failure or network interruption by running from its own internal battery.

Perfect and wireless integration
To make integrating the units in your network as easy as possible, ECOLOG-NET dataloggers are available with a LAN or Wireless LAN interface. On request, the units can also be fitted with PoE modules (Power over Ethernet). PoE allows the units to be supplied directly on the same cable used for the network connection, thereby eliminating the need for additional supply cables.

Applications Areas and Uses
- Warehouses and cold storage warehouses
- Cold storage areas for pharmaceutical products
- Chilled showcases and storage areas for food products
- Museums and galleries
- Technical processes
- Air-conditioned areas
ECOLOG-NET LA8/WA8

The 8 channel ECOLOG-NET LA8/WA8 is designed for logging any transmitter signals on the basis of the 4-20mA standard. The LA8/WA8 can be used, in conjunction with the large range of transducers, for a multitude of applications and industries.

- 8 channel datalogger with 4-20mA inputs for logging differential pressure, CO₂, particle concentrations, etc.
- Direct display of sensor units
- Special functions for connecting particle counters (whole-number display and limit values)
- Data protection even in event of power failure (for uninterrupted logging; in the event of malfunctioning, an UPS is required to support the sensor supply)

ECOLOG-NET offers versatile communication capabilities. In addition to the LAN connection, there is a USB socket for local communication in the event of a network error. Two digital inputs (D1 and D2) can also be logged.

CONNECTIONS

LAN connection RJ-45
Sensors 5 and 6 (LA8/WA8 only)
Sensors 7 and 8 (LA8/WA8 only)
Sensors 1 and 2
Sensors 3 and 4
USB connection
Mains supply (10-30VDC)/digital inputs
Multifunctional alarm contacts

ECOLOG-NET LP4/WP4

The ECOLOG-NET LP4/WP4 is a 4 channel datalogger designed for logging and monitoring temperatures. Standardized PT100 measuring technology allows the unit to be used for a multitude of various applications, from monitoring low temperatures to documenting drying procedures.

- 4 channel datalogger
- Principle of measurement: 3 or 4 wire PT100 in accordance with EC751/EN60751
- Autonomous data logging even in event of network and power failures
- State-of-the-art measurement technology allows cable lengths of up to 70m (in the case of weak electromagnetic interference)

The ECOLOG-NET LH2 is ELPRO’s network-compatible datalogger designed for logging temperature and relative air humidity with two T/rH probes. Its wide measuring range, high accuracy and reliability make the LH2 the ideal unit for the demanding user.

- Temperature and relative air humidity logging with internal and external sensors
- Principle of measurement: T: Resistance measuring (NTC) rH: Capacitive
- Use of calibrated and replaceable universal probes
- Large display showing currently measured values and alarm information
- Inputs for logging digital states

ECOLOG-NET LH2/WH2

The ECOLOG-NET LH2 is ELPRO’s network-compatible datalogger designed for logging temperature and relative air humidity with two T/rH probes. Its wide measuring range, high accuracy and reliability make the LH2 the ideal unit for the demanding user.

- Temperature and relative air humidity logging with internal and external sensors
- Principle of measurement: T: Resistance measuring (NTC) rH: Capacitive
- Use of calibrated and replaceable universal probes
- Large display showing currently measured values and alarm information
- Inputs for logging digital states
**PT100 PROBES (SELECTION)**

- **Part No. 3188-L0**
  PT100 4 wire, class A temperature probe, -90°...+350°C; SL=100mm, D=3mm stainless steel, bendable

- **Part No. 3167-L02**
  PT100 4 wire, class A temperature probe, -80°...+105°C; 3167-Lxx SL=20mm, D=5mm stainless steel, bendable

- **Part No. 3163-L04**
  PT100 4 wire, class A temperature probe, -90°...+260°C; 3163-Lxx SL=100mm, D=4mm stainless steel, teflon cable

- **Part No. 3181-L05**
  PT100 4 wire, class A temperature probe, -200°...+220°C; 3181-Lxx SL=100mm, D=5mm stainless steel, Autoclave

**T/rH PROBES (LH2/WH2)**

- **Part No. 3087**
  Universal probe: humidity and temperature, range: T: -35°...+70°C, RH: 0%...100%

- **Part No. 3087-B**
  Extended temperature range: T: -35°...+110°C

**TRANSMITTERS (SELECTION)**

- **Part No. 3260-L**
  Differential pressure transmitter; range: 500±500Pa; further measuring ranges on request

- **Part No. 3271-F**
  CO₂ transmitter for wall-mounting, range: 0...2000ppm

- **Part No. 3271-M**
  CO₂ transmitter with external probe, range: 0...10% CO₂

- **Part No. 3310-T02**
  TH transmitter, wall-mounting, range: T: -40°...+60°C, RH: 0...100%; also available as model for high frequency applications (3310-T02H)

- **Part No. 3315-T02**
  T/H transmitter, ductmounting, range: T: -40°...+60°C, RH: 0...100%

- **Part No. 3350-A**
  PT100 transmitter, programmable measuring range -200°...+600°C

**ALARM LIGHT**

- **Part No. 2311-B**
  Flasher lamp, xenon flash light, red

**VOLTAGE SUPPLY**

- **Part No. 2750-V24**
  Power supply unit for ECOLOG-NET 24VDC, 0.35A

- **Part No. 2751-V24**
  Power supply unit for ECOLOG-NET 24VDC, 1.6A and transmitter

**EXTENSION CABLES**

Extension cables are available in various lengths. When ordering, replace the «xx» in the Part No. with the required cable length.

- **Part No. 3205-Lxx**
  Extension cable for LP4/WP4. M12 coupling/open ends

- **Part No. 3206-Lxx**
  Extension cable for LA8/WA8. M12 coupling/open ends

- **Part No. 3218-Sxx**
  Extension cable for LH2/WH2. DB9 plug

**SERVICE & QUALITY**

- ISO 9001 quality system
- Vendor and internal audits
- Expert systems
- Own production and development
- Own calibration laboratory
- Modern facilities
- Datelogger service since 1989
- Calibration according to all standards
- Repair service for all products
- Customer calibration service
- IQ/OQ qualifications
- Temperature mapping
- Worldwide distributors
- Return of ELPRO units and batteries for eco-friendly disposal

**DIRECTIVES & STANDARDS**

- ISO 9001: 2000
- SGS certificate no. CH98/0013
- ATEX
- SNC EX 1 ATEx 3280/Directive 94/9/EC (EN 50014 and EN 50020)
- Approval for EX protection zone 1 (EN 50081-2 and EN 50082-2)

**INTEGRATED REGULATIONS AND RECOMMENDATIONS**

- GZ1480
- Exceptional approval for calibration GZ1480/2000 from 10.4.2000, BEV, Austria

**EXPLANATION OF ICONS**

- Temperature / humidity / pressure measurement
- Networks
- Display alarm / alarm output / central alarming

ELPRO Division

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