

System components (selection)

ECOLOG-NET LA8

Part No. 2720 ECOLOG-NET LA8
8-channel datalogger for the detection of any transmitter signals on the basis of the 4-20 mA standard



ECOLOG-NET LA8F

Part No. 2720-CR ECOLOG-NET LA8F
(8 channels, technical specifications see LA8)
Built-in version out of stainless steel with alarm bracket red / green on front plate



Cleanroom Panel

Part No. 6452
Clean room compatible panel for instrumentation and data visualization. Available in project-specific configurations with individual instrumentation and visualization options.



Probes (Selection)

Part No. 800200
Differential pressure transmitter, range: -20 Pa..+80 Pa, housing PA6.6, supporting rail mounting



Part No. 3310-T02
T / RH transmitter, wall mounting, range: T: -40 °C..+60 °C, RH: 0 %..100 %, also available in versions for high moisture applications (3310-T02H)



Part No. 3271-Q
CO₂ transmitter with external probe, range: 0 %..20 % CO₂



Particle counter

Part No. 3380-A
PCSS particle counter to monitor two size classes (Default: 0.5 µm / 5 µm).



Alarming (Selection)

Part No. 2311-F
Alarm lamp red flash



Service & Quality

- ISO 9001 Quality System
- Qualified systems
- Own production and development
- Data logger service since 1989
- Calibration according to all standards
- Repair service for all products
- IQ / OQ qualification
- Temperature mapping
- Calibration laboratory accredited to ISO 17025
- Worldwide distributors
- Return of ELPRO units and batteries for environmentally friendly disposal

Directives & Standards

ISO 9001: 2008
SGS certificate no. CH98/0013
ATEX
Approval for EX protection zone 1
EN 60079-0:2009, EN 60079-11:2007, EN 1127-1:20011
CE
EN 61000-6-2:2006 and EN 61000-6-4:2006
EN12830, EN13485, EN13486
Temperature recorder for transport, storage and distribution of foodstuffs and products
GZ1480
Exceptional approval for calibration GZ1480/2000 from 10.4.2000, BEV, Austria

Integrated regulations and recommendations

GMP, GLP, GAMP 5
Software validation in compliance with 21 CFR Part 820, Electronic records, 21 CFR Part 11, 21 CFR Part 210/211, 21 CFR Part 110, 21 CFR Part 58
EG / EU
Directive (EC) 37/2005, Directive 2002/95/EC (RoHS)
HACCP
Hazard Analysis Critical Control Points



EN10036E

Cleanroom Monitoring with ELPRO Central Monitoring Systems

Cleanroom Monitoring

Simple, flexible, affordable.

ELPRO's Central Monitoring Systems (CMS) reliably record and store all climate-related data for your cleanroom. Integrated parameters include temperature, relative humidity, differential pressure, and 4..20 mA signals.

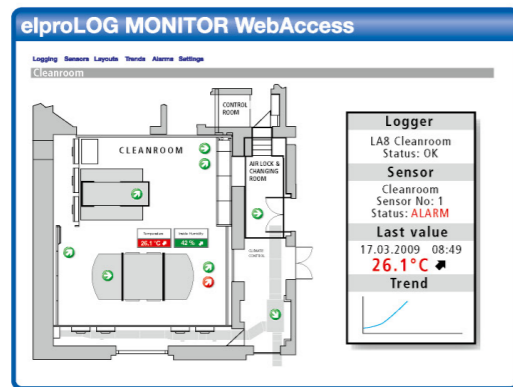
The system meets all requirements according to GMP / GLP and its modular design allows easy future expansion.

ELPRO's CMS provides the highest reliability around the clock and is a refreshing alternative to expensive and inflexible cleanroom monitoring systems.

Intelligent and reliable

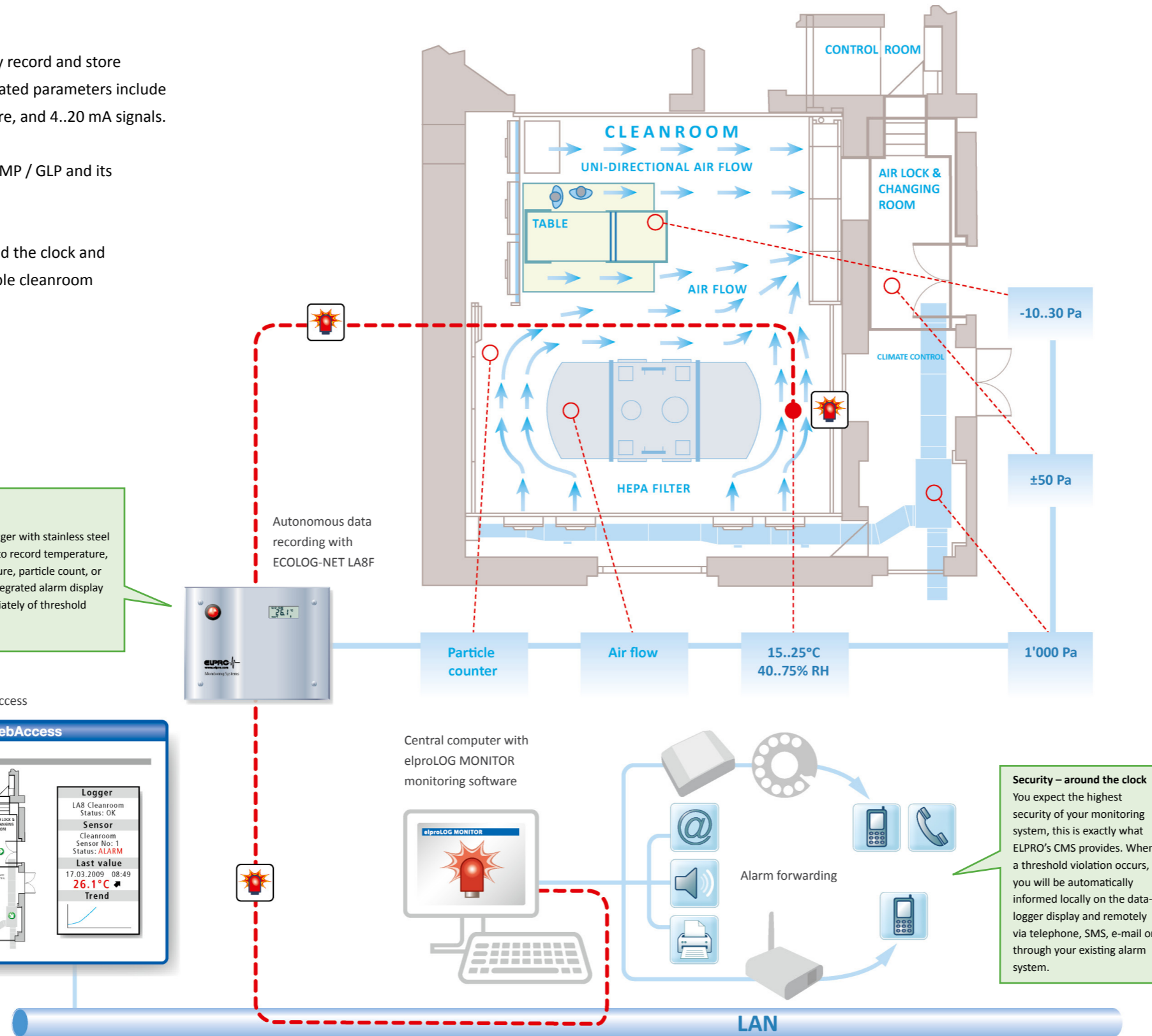
The autonomous 8-channel datalogger with stainless steel front panel is designed specifically to record temperature, relative humidity, differential pressure, particle count, or other important parameters. An integrated alarm display ensures you will be notified immediately of threshold violations.

Data visualisation with elproLOG MONITOR WebAccess



Information – where you need it

Conveniently access the current conditions in real time from any PC on your network and on the datalogger display. Specifically designed for use in cleanrooms, we also offer visualization panels for wall mounting so that users immediately see the cleanroom status from both inside and outside the cleanroom. Parameter displays backlit either green (OK), yellow (warning), or red (alarm). The panel also houses a local audible alarm for added security.



Security – around the clock

You expect the highest security of your monitoring system, this is exactly what ELPRO's CMS provides. When a threshold violation occurs, you will be automatically informed locally on the datalogger display and remotely via telephone, SMS, e-mail or through your existing alarm system.

Benefits at a glance

Security

Alerting capabilities at multiple levels:

- Local alarm on datalogger
- Central alarm with forwarding features
- Continuous self-monitoring system (along with the alarm interface) for maximum security
- Redundant system: data storage and a local alarm, even if no network connection

Compliance

- The Central Monitoring Systems meets the requirements of 21 CFR Part 11, GMP, GAMP 5, GLP and Annex 11
- Detailed qualification manual with IQ / OQ templates for software and dataloggers and sample SOPs

Flexibility

- Scalable system to suit your needs
- Integrates seamlessly into your existing LAN network
- Use of standardized components allows cost savings and simple installation

Service

- Personal service and reliable support from a qualified professional
- Service packages for installation, service and training, for easy setup and smooth operation



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