

Monitoring and surveillance with Datalogger

...for laboratories, warehouses, server-rooms, production-facilities...

flexible - extendable - network compatible (RJ45)

Correct measurement at correct place - open system for various parameters

Local data storage - data storage during several months

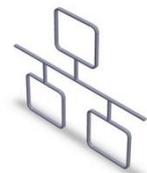
Network compatible - data analysis and storage on a server

Real time monitoring - all data at a glance with alarming function

2 freely usable parameters

- particle counter
- differential pressure
- temperature
- leakage sensor
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mA or V



Bus cable length up to 150 metres



rel. humidity & temperature
up to 4 nSens-HT

Data analysis and filing
SmartGraph3 or MCPS7 software



Data logger quick facts

- Ring storage mode for up to 3.2 mio. data
- Big LCD display
- Data can be retrieved by **USB or Ethernet**
- Up to 127 loggers in a network
- Acoustic alarming
- Data analysis by SmartGraph3 software
- MCSP7 software (CFR 21 part11 compliant)

Sensor connections

Up to 4 sensors by UMB-Bus:

- nSens-HT for highest accuracy ($\pm 0.5\%RH$)
- 2x sensors with mA / V
or
- 2x PT100 / PT1000 temperature sensors

Technical data and accessories:

Data logger Datalog30:

Article no.	260 0868
Display	3 line LC-display with status indicator, alarm, date and time
Dimensions & Weight	166*78*32mm, 250g
Power supply	USB or 4xAA LR6 batteries (USB power supply required for external sensors and network operation!)
Operating temperature	-20 to +50°C, 0 to 95% RH (not condensing)
Interface	USB, LAN (Ethernet TCP/IP, DHCP managed), UMB Bus
Data storage	3.2 million data points Measurement- and storage interval configurable



Humidity measurement nSens-HT-ENS

Article no. nSens with UMB adapter	260 1121
Measurement range Humidity	0 to 100% RH
Temperature	-20 to +80°C
Measurement accuracy Humidity	± 0.5% RH
Temperature	±0.1K
Operating temperature	-20 to +80°C



UMB Bus cable, up to 150 metres supported

Sensorcable M12 / 4P	3 Meter (260 1276) 10 Meter (260 1198)
T-connector M12	260 1282
Y-connector M12	2601281



Any measurement instrument providing an analogue signal output (mA or V) can be connected.
Examples:

Differential pressure measurement PascalMaxx

Measurement range	-50 to +50 Pa	0 to +500 Pa	0 to +2000 Pa
Measurement accuracy	< ± 0.5% FS (of full scale)	< ± 0.25% FS	< ± 0.5% FS
Calibration	Auto-zero. Gain with external calibrator e.g. Calibox200		
Offset drift	< 2Pa / year (with automatic zero-point calibration)		
Operating temperature	0 to +50°C		



Temperature measurement PT100

Measurement range	-50 to +200°C
Measurement accuracy	±0.2K



Further technical specifications can be found on the respective product data sheets.
Technical data are non-binding and subject to changes without prior notice.