

Application:

Online room monitoring

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

flexible - extendable - network compatible

Correct measurement at correct place - open system for various parameters

Local data storage - data storage during several months

Network compatible - data analysis and storages on a server

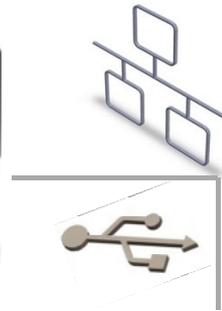
Real time monitoring - all data at a glance with alarming function

2 freely usable parameters

- particle counter
- differential pressure
- temperature
- leakage sensor

....

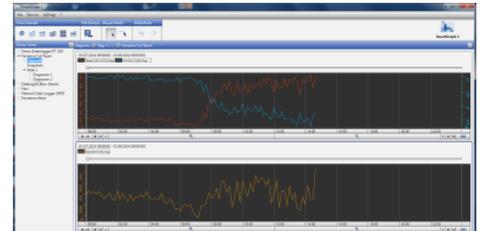
mA or V



rel. humidity &
temperature
up to 4 sensors



Data analysis and filing
SmartGraph3 or MCPS7 software



Data logger quick facts

- Ring storage mode for up to 3.2 mio. data
- Big LCD
- 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 ($\pm 0.5\%RH$)
- **StatMaxx** with local display
- 2x sensors with mA / V
or
- 2x PT100 / PT1000 temperature sensors

Technical data:

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
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

Measurement range	Humidity Temperature	0 to 100% RH -20 to +80°C
Measurement accuracy	Humidity Temperature	$\pm 0.5\% \text{ RH}$ $\pm 0.1\text{K}$
Operating temperature		-20 to +80°C



Humidity measurement StatMaxx

Measurement range	Humidity Temperature	0 to 100% RH -20 to +80°C
Measurement accuracy	Humidity Temperature	$\pm 1.5\% \text{ RH}$ $\pm 0.2\text{K}$
Operating temperature		-20 to +80°C
Probe fixation		Directly on housing or remote with 3 meter cable



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	$< \pm 0.5\% \text{ FS}$ (of full scale)	$< \pm 0.25\% \text{ FS}$	$< \pm 0.5\% \text{ FS}$
Calibration	Auto-zero. Gain with external calibrator e.g. Calibox200		
Offset drift	$< 2\text{Pa} / \text{year}$ (with automatic zero-point calibration)		
Operating temperature	0 to +50°C		



Temperature measurement PT100

Measurement range	-50 to +200°C
Measurement accuracy	$\pm 0.2\text{K}$



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