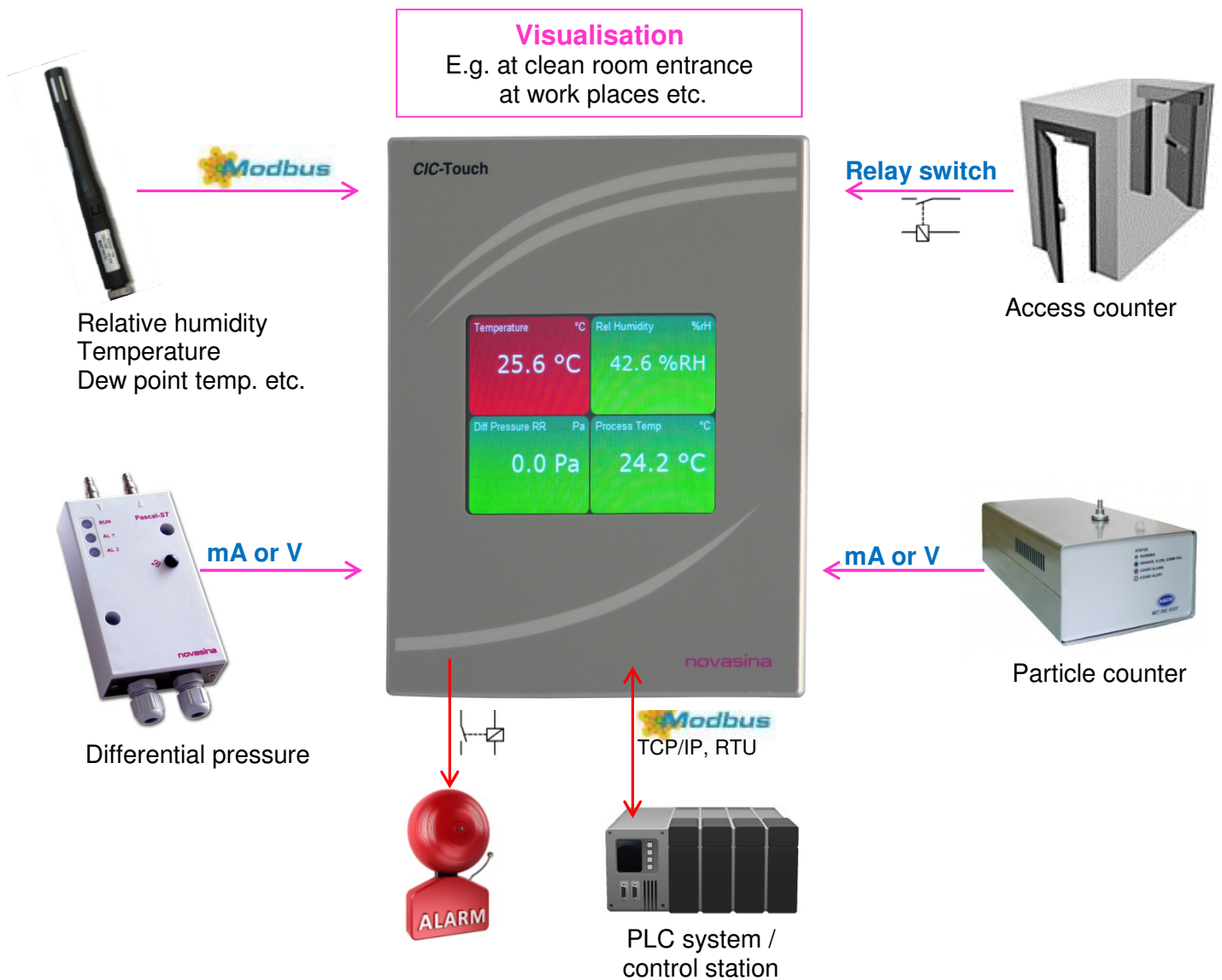![NOVASINA - The Art of Precision Measurement]

Application: CIC-Touch - more flexibility in clean rooms:

measurement - visualisation - alerting - monitoring

Measurement at the point of action - with high accuracy and repeatability
Central visualisation - all parameters and status at a glance
Alerting and monitoring - directly on-the-spot and transferred to the PLC

Visualisation
E.g. at clean room entrance
at work places etc.

CIC-Touch

Modbus

Relative humidity
Temperature
Dew point temp. etc.

Temperature °C	Rel Humidity %rH
25.6 °C	42.6 %RH
Diff Pressure RR Pa	Process Temp °C
0.0 Pa	24.2 °C

Relay switch

Access counter

mA or V

Differential pressure

mA or V

Particle counter

Modbus
TCP/IP, RTU

ALARM

PLC system /
control station

Touch panel quick facts

- Flush mounting without any edges
- Low mounting depth <50mm
- H_2O_2 resistant, washable front panel
- Acoustic and optical alerting

Touch panel I/O

Input: 4x mA or V
4x relay switches
Modbus RTU (Master)
Output: 2x relay switches
Modbus RTU and TCP/IP (slave)

novasina
The Art of Precision Measurement

Technical data:

CIC-Touch clean room display

Article no.	260 0941
Display	Graphical 3.5" TFT display (70*52mm)
Operation	Touch-screen capacitive
Dimensions front panel	150*120mm (H_2O_2 resistant)
Dimensions for mounting	Height 127; Width 107; Depth 50mm incl. connector
Power supply	24 V AC/DC
Power consumption	12VA
Operating temperature	-10 to +50°C
Inputs	4x relay switches potential-free 4x 0/4 - 20mA or 0/2-10V analogue signals Modbus RTU (master function)
Outputs	2x relay switches 230V Modbus RTU or Modbus TCP/IP (slave function)
Storage	SD card for firmware update/configuration (no data logging)

All types of measurement devices can be connected by their signal output (mA/V or Modbus).

Examples:

Relative humidity/temperature measurement - nSens-HT-ENS with nLink-Modbus

Measurement range humidity	0 to 100% RH
temperature	-20 to +80°C
Measurement humidity	± 0.5% RH
accuracy temperature	±0.1K
Operating temperature	-20 to +80°C

Modbus protocol	RS485 / Modbus RTU
Baud rate	4800, 9600, 19200, 38400 Bit/s selectable
Slave ID	1 … 247 (freely selectable by Modbus or PC Software nSoft)
Power supply	5 … 12VDC ±20%

Differential pressure measurement - Pascal ST/Z

Measurement range	0 to +50 Pa -25 to +25 Pa*	0 to +200 Pa -100 to +100 Pa*
Measurement accuracy	< ± 0.3% FS	< ± 0.1% FS
Temperature influence	<0.01Pa/°C	<0.03Pa/°C
Calibration	Automatic zero point calibration. Gain with pressure generator, e.g. Calibox200 or similar	
Offset drift	± 0.15Pa (with activated automatic zero point calibration)	
Operating temperature	5 to +45°C	
Analogue output AO	0/2 -10V or 0/4-20mA (adjustable and scalable)	
Relay switch (version without AO)	2 relays, galvanic isolated, max. 60VA	
Power supply	10.5 - 35VDC	

Further technical specifications can be found on the product specific data sheets.
Technical data are not binding and can change without prior notice.
*under development

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