

ПРЕДПРИЯТИЕ МАКСАЭРО

- Производство воздуховодов и систем вентиляции
- Клапаны противопожарные
- Клапаны дымоудаления
- Вентиляторы общепром, дымоудаления, крышные

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Каталог измерителей влажности воздуха и датчиков потока Martens Elektronik





Industrial Electronics

Displays and Fieldmeters



- Rotation
- Pressure
- Flow
- Cycle time
- Conductivity
- Counter
- pH value
- Productivity
- Temperature
- Level
- Standard signals

Visualization is the most important factor monitoring and displaying processes and application flows for the user.

Our range of displays for front panel or direct mounting offers solutions for nearly all measurement quantities and physical units.

A common feature of the displays is easy configuration via front panel buttons or DIP switches plus manifold options with relay and analog outputs.

Use under harsh conditions is feasible due to environmental class IP65. If you have not found the appropriate display for your application yet, please do not hesitate to ask for a customer-specific solution.

Industrial Electronics

Transmitters



- Signal conditioning
- Linearization
- Characteristics transformation
- Voltage
- Current
- Temperature
- Resistance
- Frequency
- Power

Signals from Pt100, thermocouples, strain gauges, or resistors cannot always be processed directly. Otherwise the signal follows a function needing processing as a linearized standard signal.

For these and other signals and applications we offer transmitters with DIN-Rail mounting. Housings are 22.5 or 50 mm wide depending on the application. Configuration can be done with DIP switches, Teach-In, or via keypad and display.

In most cases the transmitter can be enhanced with alarm contacts for a safe shutdown in case of emergency.



Industrial Electronics

Isolating Converters



- Galvanic isolation
- Power feed isolation
- Switching repeater isolation
- Transmitter isolation

Independent of the size of an installation, many failures and problems relate back to noisy signals or electrical potential mismatch.

The solution is the galvanic isolation of the signal. Our isolating converters are available as active or passive version with 1, 2, or 3 channels for DIN-Rail mounting.

With a universal design nearly all devices only isolate signals, but also convert signals e.g. from 4..20 mA to 0..10 V.

Industrial Electronics

Switching and Monitoring Devices



SIL 2



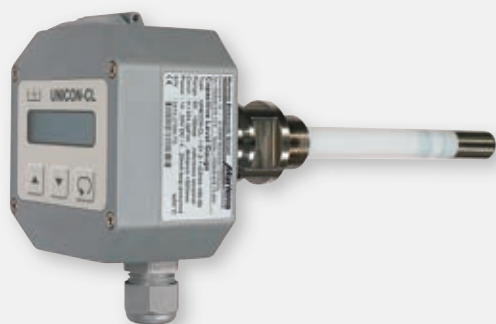
- Threshold switch
- Isolation guard
- Power monitoring
- Emergency relay
- Safety temperature limiter

Our switching and monitoring devices ensure the safe operation of an installation. Starting with a simple threshold switch, the product range also covers isolation guards and safety temperature limiters with SIL2 class according to actual DIN EN 14597 standard.

Monitoring is also essential for the Ex area. Many of our devices allow connection of signals from this zone.

The devices are freely configurable or programmable with a free choice of functionality.

Process and Analysis Measurement



- Capacitive level measurement
- Hydrostatic level measurement

Level

We offer technologies for level measuring depending on applications and specifications, from sensors for hydrostatic pressure to capacitive sensors for viscous or adhesive media..



- Interpretation of standard flow sensors

Flow

All commercial flow sensors can be connected to our field meters and signal converters for flow and frequency measurement. Values are displayed visually or converted into a standard signal.



- Conductive
- Measurement of all ranges down to ultrapure water

Conductivity



Measurement with conductive 2- and 4-pole sensors is commonly used. The variety of plugs allows measuring under nearly all conditions from water to aggressive acids.



- Measurement with standard electrodes

pH / ORP

Measuring one of the most important process quantities is a piece of cake with our converters and displays. Tasks like connecting, configuring, as well as calibration are intuitional matters.