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Россия +7(495)268-04-70

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МНОГОПАРАМЕТРИЧЕСКИЕ СИСТЕМЫ ИЗМЕРЕНИЯ

OPTISYS IND 7100/8100



OPTISYS IND measuring systems

OPTISYS IND 8100

For food and beverage applications, process connection G1 (hygienic, male) with hygienic adapters



OPTISYS IND 7100
For food and beverage applications, process connection dairy screw (DIN 11851) DN50

Resistant to dirt

The OPTISENS IND sensors can safely be used for conductivity measurements in aggressive and corrosive media like industrial wastewater, sea water and acidic solutions.

The measuring electrodes of the OPTISENS IND sensors are completely sealed and have no direct contact with media. Tough chemical and dirt-resistant materials are used, such as PVDF, PTFE or PEEK.

Thanks to the OPTISENS IND rugged design and special materials, the sensors have a long life span and are practically maintenance free.

The OPTISENS IND 7000 series additionally provides hygienic connections and approvals for applications in food, beverages and pharmaceutical processes.

The OPTISYS IND 8100 was especially designed for immediate detection of media changes during CIP/SIP processes, e.g. in dairies or breweries. It is available as compact or remote system with a broad variety of 3-A/EHEDG approved process connections.

Typical applications

Water

- Regeneration of ion exchangers
- Control of sea water desalination processes

Wastewater

- Monitoring of limit values in industrial influent at the inlet of wastewater treatment plants

Food and beverage



- Product control (dairies, breweries, beverages)
- CIP/SIP processes
- Regeneration of ion exchangers (steam generation)



OPTISENS IND 7000



OPTISYS IND 8100

| | | |
|---------------------------|---|--|
| | For food and beverage applications, process connection dairy screw (DIN 11851) DN50 | For food and beverage applications, process connection G1 (hygienic, male) with hygienic adapters |
| | OPTISYS IND 7100 | OPTISYS IND 8100 |
| |  |  |
| Parameter | Inductive conductivity | Inductive conductivity |
| Type | Compact measuring system incl. converter | Measuring system, compact or remote; display with relays as option |
| Enclosure rating | IP67 | IP67/IP69K |
| Measuring range | 0.5...2000 mS/cm Concentration of caustic soda and nitric acid, or customer defined | 0.05 ... 1000 mS/cm Concentration of caustic soda and nitric acid, or customer defined |
| Temp range | -10...+120°C/+14... +248°(briefly +140°C/ +284°F) | -20...+140°C/-4...+285° (+150°C/+302°F < 1 hour) |
| Pressure range | Max. 10 bar/145 psi | Max. 25 bar/362 psi |
| Temp sensor | Pt 100 | Pt 100 |
| Process connection | Dairy screw (DIN 11851) DN 50 | Hygienic mounting adapters: Varivent, Clamp, Dairy screw, DIN 11864, SMS 1145, weld-in |
| Materials | Converter: PA Sensor: PEEK | Converter: stainless steel (1.4301/304) Display: Polycarbonate Sensor: PEEK Mounting adapters: stainless steel (1.4404/316L) |
| Installation | Pipe mounting | Pipe mounting |
| Outputs | 2 x 4...20 mA (active) | 2 x 4...20 mA (active) |
| Relays | 2 x electronic relays floating | 2 x solid state relays in the display |
| Power supply | 19...31 VDC (24 VDC nominal) | 15...35 VDC, 150 mA |
| Certificates | – | EHEDG, 3A |

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