

► Simplification of the water quality measurement



KROHNE

► measure the facts

Water analysis panel – Multi-parameter measuring system for water quality monitoring

Monitoring different parameters in water treatment processes can lead to a setup where different measuring points are scattered across the plant.

Existing pipelines have to be equipped with assemblies and each transmitter has to be mounted individually on the wall. But not only the installation effort results in high costs. Maintenance can also be time consuming when sensors and assemblies are not easy to access.

Simplify your workflow with new pre-configured, compact analytical modules from KROHNE – without losing the flexibility to select preferred equipment.



Analytical module for pH, ORP and
conductive conductivity measurement –
stainless steel version



Reduce the complexity, increase the flexibility

The water analysis panel is a multi-parameter measuring system for water applications. It consists of single modules that can be combined for measuring dissolved oxygen, turbidity, conductivity, pH and ORP.

Depending on the requirements, the measuring system can thus be operated as a complete solution or with selected modules allowing configuration of different sensor types. This provides a high degree of flexibility in accordance with the application requirements.

The pre-assembled and pre-wired analysis panel enables easy installation and fast commissioning. In this way, complexity and installation effort are significantly reduced as compared to spatially separated measuring points.

Product highlights

- Continuous monitoring of water quality
- All measuring parameters installed at one location:
Only one sample line required
- Easy process integration and commissioning
- Better sensor access for lower maintenance effort
- Application-specific selection of analytical parameters
- Free configuration of sensor types for high flexibility
- Space saving modular design
- Panel material: PVC white or stainless steel (1.4301)

Typical applications

- Monitoring of drinking water quality in pumping stations
- Monitoring of contamination in liquids
- Filter monitoring (efficiency and breakthrough)
- Process control of water treatment
- Monitoring of limit values
- Demineralisation
- Monitoring of water quality prior to discharge into the water supply network

Contact

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Analytical module for turbidity measurement



- Analytical panel with OPTISYS TUR 1060 turbidity measuring system
- 90° scattered infrared light measurement (ISO 7027) or white light measurement (EPA 180.1): 0...100 NTU/FNU
- Output: 4...20 mA, 2 alarm relays or Modbus via RS485; integrated data logger

Analytical module for dissolved oxygen or inductive conductivity measurement



- Analytical panel with transmitter and flow-through assembly for measuring dissolved oxygen or conductivity (inductive)
- Optical oxygen measurement: 0...20 mg/l
- Inductive conductivity measurement (electrodeless, with temperature compensation): 1...2000 mS/cm
- Output: 3 x 4...20 mA, 3 relays (mechanical)

Analytical module for pH, ORP and conductive conductivity measurement



- Analytical panel with transmitter and measuring cells for measuring up to two different parameters simultaneously
- pH: 0...14; Redox: -1500...+1500 mV
- Conductivity (conductive): 1...2000 µS/cm or 0.1...20 mS/cm
- Output: 3 x 4...20 mA, 3 relays (mechanical)



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