



We are making your liquids transparent!

Multi-Parameter System

MPS



innovative

flexible

online

Multi-Parameter System

**GO**  
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NO<sub>3</sub>

SAC

TOC

COD

μS/cm

pH

Cl<sub>2</sub>

Redox



## Optional Equipment

Parameter	Measuring range
UV-VIS spectrum	190 – 720 nm
SAK 254	0.0 – 20.0 E/m
TOC/DOC	0.0-20.0 mg/l
Nitrate	0.0 – 100.0 mg/l
Turbidity	0.000-10.000 FNU
pH-value	0.00-14.00 pH
Redox potential	-2000 to +2000 mV
Free chlorine	0.00-20.00 mg/l
Conductivity	50 – 20000 µS/cm
Dissolved oxygen	0.00 – 20.00 mg/l
Temperature	-10°C to +60°C

## Multi-Parameter System

### Applications

- Drinking water monitoring
- Process water monitoring
- Water quality monitoring
- Construction and pollution monitoring

### Quality Characteristics

- Client-specific equipment of sensors
- Modular flow through fitting
- One device ready for connection
- Simple complete solution for a web server based data processing and control technology “BlueGate”

## Basic Configuration

### Inputs

- pH, ORP, Conductivity, Temperature
- Oxygen
- 2x (4 - 20 mA)
- Pulse Rain Flow Rate

### Outputs

- 2x (4 - 20 mA)
- 2x Relay 230 V/2 A
- Ethernet, CAN-bus, RS232

### Display/Case

- Touchdisplay 240x128 Pixel
- Coated steel locker

## Interfaces

Ethernet, 10 MBit/s, div. protocols, e.g. TCP/IP

GSM, GPRS, UMTS

USB

RS232, RS485, 9600 Bd; div. protocols, e.g. Modbus, SDI12

CAN-bus

## Extension of the multi-parameter system

The multi-parameter system is optionally extendable with other sensors and actors via its CAN-bus.