

SOLYS WATER QUALITY MONITOR

Chlorine, Hardness, Iron, Phosphate and Sulfite

The WATER QUALITY MONITOR is the ideal system for water quality monitoring. Several models and parameters: Free chlorine (CLF), Total chlorine (CLT), Hardness (TH), Hardness & Chlorine (THCL), Carbonate hardness (KH), Dissolved Iron (FE), Phosphate (PO₄), Sulfite (SO₃).



FEATURES & BENEFITS

- Menu-driven, programmable functions in clear LCD text display
- Programmable hardness unit in °dH, °f, ppm CaCO₃, mmol/l
- Accurate titration via piston-dosing pump
- Low maintenance operation
- Low reagent and water consumption
- Two adjustable limit values with programmable switch functions
- Analysis initiation:
 - Automatic time set intervals (0 - 99 minutes)
 - Dependent on the residual plant capacity
 - Quantity-dependent (water meter)
 - External control
- Output terminal for alarm (fault messages)
- Monitoring of an analysis run and error messages
- Monitoring of the filter capacity
- Analog terminal 0/4-20mA
- Available in 5 languages



APPLICATIONS

- Boiler feed water
- Process water
- Pharmaceuticals
- Food & beverage
- Dialysis
- Swimming pool water
- Drinking water

RELATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.





Models

Model	Measuring parameter	Part Number
Water Quality Monitor TH	Hardness	IEPOHR301088
Water Quality Monitor KH	Carbonate Hardness	IEPOHR301087
Water Quality Monitor CLF	Free Chlorine	IEPOGU301092
Water Quality Monitor CLT	Total Chlorine	IEPOGU301091
Water Quality Monitor DUO	Carbonate Hardness + Hardness	IEPOGU301089
Water Quality Monitor THCL	Hardness + Total Chlorine	IEPOGU301090
Water Quality Monitor FE	Ferrous Iron and Ferric Iron	IEPOGU351971
Water Quality Monitor PO ₄	Phosphate	IEPOGU351970
Water Quality Monitor SO ₃	Sulfite	IEPOGU351969

Consumables and measuring ranges

Parameter	Reagent type	Reference	°dH	°f	ppm CaCO ₃	mg/l
Total Chlorine	CLABC	CHKIRT301407				0 - 2.50
Free Chlorine	CLAB	CHKIRT301409				0 - 2.50
Water hardness	TH 2005	CHKIRT301401	0.05-0.50	0.09-0.89	0.89-8.95	
Water hardness	TH 2025	CHKIRT301402	0.25-2.50	0.45-4.48	4.47-44.7	
Water hardness	TH 2100	CHKIRT301403	1.0-10.0	1.79-17.9	17.9-179	
Water hardness	TH 2250	CHKIRT301404	2.5-25.0	4.48-44.8	44.8-448	
Carbonate hardness	TH 2050	CHKIRT301405	0.5-5.0	0.90-8.96	8.9-89.5	
Carbonate hardness	TH 2100	CHKIRT301406	1.0-20.0	1.8-35.8	18-358	
Iron	Fe2500A +Fe2500B	CHKIGU341492 +CHKIGU341493				0-1
Phosphate	KIT PO ₄	CHKIGU341491				0-20
Sulfite	SO ₃ A+SO ₃ B	CHKIGU341489 +CHKIGU341490				0-50

Specifications

Power supply	230 V or 24 V ±10%; 50 - 60 Hz
Power consumption	max. 30 VA
Degree of protection	IP 65
Protection class	I; CE
Ambient temperature	10 - 45 °C
Water temperature	10 - 40 °C
Operating pressure	0.1 - 8 bar; 104 - 8 x 105 Pa
Dimensions (W x H x D)	380 x 480 x 280 mm
Weight	approx. 10.5 kg