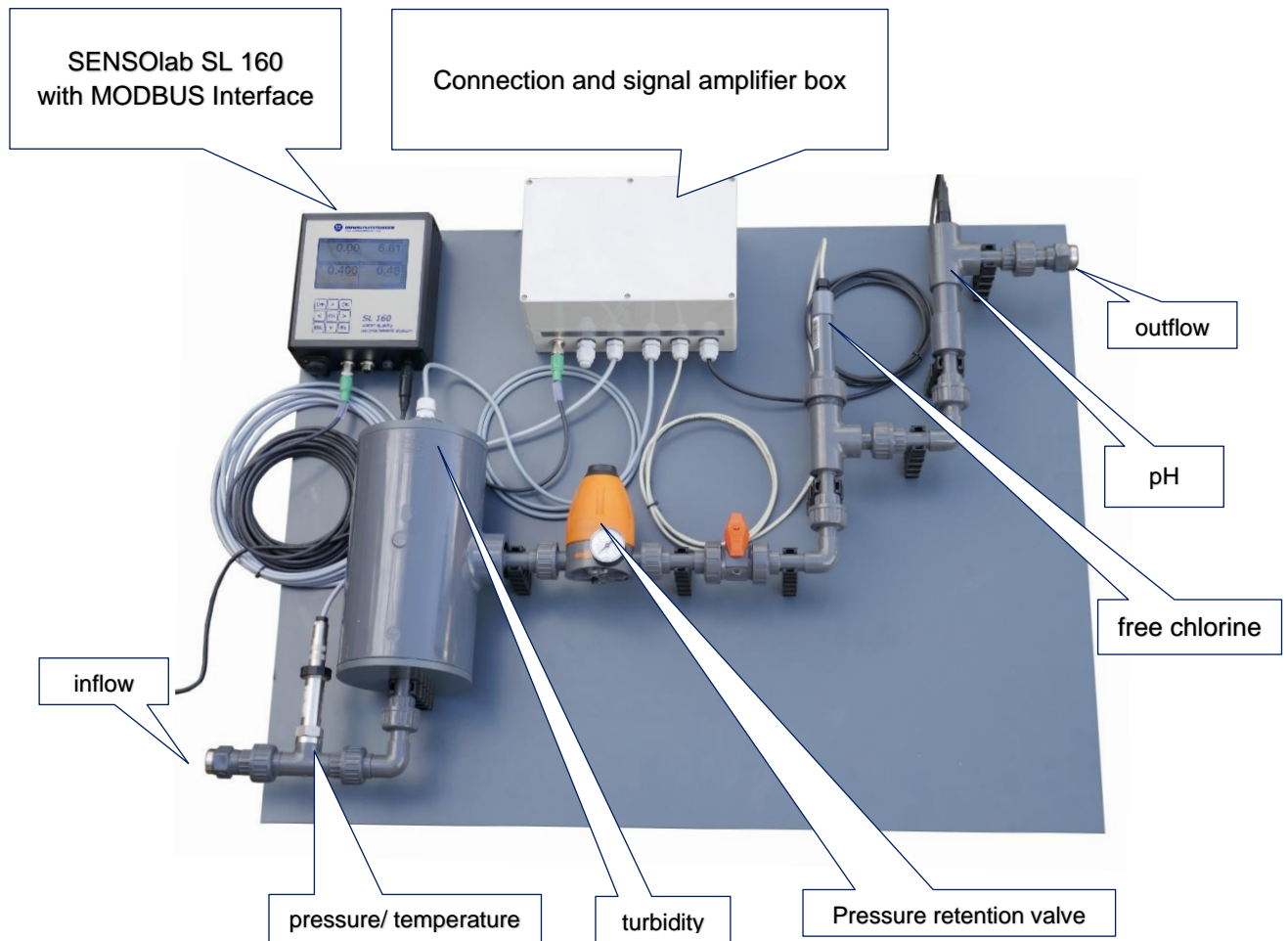


Water Analysis Panel with SENSOLab SL 160

Water quality measurement system



Application area

- Monitoring of potable water
- Process applications
- Customer-specific applications

Features

- Wide customer-specific spectrum of parameters
- Flow cells
- Integrated data logger
- MODBUS-RTU Interface
- Options – 2G/3G/4G data transmission / LoRaWAN/ SigFox

GPRS

4G

LoRa™

sigfox

Modbus

Water Analysis Panel with SENSOLab SL 160

Water quality measurement system

SENSOLab water quality	
Basis system	SENSOLab SL 160 – aluminium case W x H x T 166 x 184 x 70 mm without connectors
Functions	Display of values - graph and tab; calibration support, suitable for integration of measuring amplifiers
Screen	5" – 800 x 480 Pixel, dimension 110 x 67 mm
Protection degree	IP 54 – application area: no condensed moisture, 5...40°C not suitable for outdoor application without additional housing
Storage	512 MB – integrated data logger
Sampling interval	1...120 minutes
Power supply	230VAC/12 VDC
Interface	USB read out data; MODBUS - RTU
Data transmission	Options 2G/3G/4G data transmission / LoRaWAN®/ SigFox®
Sensors	
Dissolved Oxygen [O ₂]	Range: 0 ... 40 mg/l O ₂ , resolution 0,02 mg/l O ₂ – optical sensor
Turbidity	0 ... 15/150/500/1500 NTU/FTU
Free chlorine	Range: 0-2 mg/l, application area pH 4...12, amp. Sensor
Conductivity sensor	Range: 0 ... 500 mS/cm; with automatic range switching; ranges: 0...200/2000/20.000/500.000 µS/cm, resolution 1 µS/cm
Conductivity Calculated Parameters	Salinity; TDS
pH	Range: 0 ... 14, resolution Δ pH = 0.02
Redox potential (ORP)	Range: –2000 ... +2000 mV, resolution 1 mV
Temperature sensor	Range: 0 ... 40°C, resolution: 0.02°C
Pressure	10 bar; accuracy 0,1 % FS
Chloride [Cl ⁻]	Range: pCl ⁻ = 0 ... 5 (0.35 ... 35,000 mg/l), resolution Δ pCl ⁻ = 0.02
Nitrate [NO ₃ ⁻]	Range: pNO ₃ ⁻ = 0 ... 5 (0.62 ... 62,000 mg/l), resolution Δ pNO ₃ ⁻ = 0.02
Flow meter	On request
Optical Spectrometers	On request
Additional parameters	On request
Water analysis panel	
Dimensions	Standard 135 x115 cm – valid for equipping status pH, turbidity, free chlorine, pressure dimension depending of number of sensors
Pipe material	PVC
Max. Pressure	10 bar
Connection dimension	G 3/4"
Flow	Recommended flow 1 l/min
Detailed technical data of sensors see specific data sheets.	

Modifications contributing to technical progress are subject to change without notice!
The scope of supply is defined with the respective offer.



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