

## Tender Text



Product photo could vary from the actual product

Product No.: On request

### **Preassembled system for measurement and control of water quality parameters**

The DID system with bypass flow cell is intended for monitoring and control of disinfectants, pH, ORP, conductivity and temperature.

The system is preassembled on a common backplate and includes a control unit CU382, the water parameter sensor(s) with cable(s) to the control unit and the hydraulic assembly.

CU 382 control unit:

- Intuitive plain-text operation
- Data logger functionality (settings, calibration data and measured values)
- Up to 3 controller outputs, freely assignable
- Modbus (slave)
- Modbus sensor interface
- Data interchange with USB stick
- Wide-range power supply

Water parameter sensors:

- Modbus interface to CU 382 control unit
- Onboard storage of calibration data
- Temperature measurement and compensation included for all sensors
- Pre-calibrated (pH, ORP, conductivity sensor)
- Diaphragm-covered amperometric sensor principle for disinfectant sensors
- Low pH dependency for free-chlorine sensors

Flow cell and hydraulic assembly:

- Max. pressure at inlet: 3bar
- Inlet/outlet hose connections suitable for hose sizes: 4/6mm, 6/9mm, 6/12mm, 9/12mm, xx/1/4", 1/4"x3/8", 3/8"x1/2"
- Shut-off valve
- Flow restrictor (limits to max. approx. 60l/h)
- Flow switch (activated at approx. 30l/h)
- Flow cell with sample water withdrawal assembly
- Max. pressure on outlet: 0,5 bar

This configuration DID-1 BF1-FCL2 includes:

Sensor 1: Free chlorine, 0-2ppm

Sensortype: Sensor(s) with plug

Cablelength: 1,0 m, plugs on both ends



**Company name:**

**Created by:**

**Phone:**

**Date:**

1/18/2017


Allowable liquid temperature range: 5-45 °C

Voltage indications: 100-240 V

Power consumption (max.): 33 VA

Protection level of control unit / sensor(s): 65/67

Languages of user interface and documentation: En, Fr, De

Position	Count	Description
	1	<p><b>Preassembled system for measurement and control of water quality parameters</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: On request</p> <p>The DID system with bypass flow cell is intended for monitoring and control of disinfectants, pH, ORP, conductivity and temperature.</p> <p>The system is preassembled on a common backplate and includes a control unit CU382, the water parameter sensor(s) with cable(s) to the control unit and the hydraulic assembly.</p> <p>CU 382 control unit:</p> <ul style="list-style-type: none"> <li>• Intuitive plain-text operation</li> <li>• Data logger functionality (settings, calibration data and measured values)</li> <li>• Up to 3 controller outputs, freely assignable</li> <li>• Modbus (slave)</li> <li>• Modbus sensor interface</li> <li>• Data interchange with USB stick</li> <li>• Wide-range power supply</li> </ul> <p>Water parameter sensors:</p> <ul style="list-style-type: none"> <li>• Modbus interface to CU 382 control unit</li> <li>• Onboard storage of calibration data</li> <li>• Temperature measurement and compensation included for all sensors</li> <li>• Pre-calibrated (pH, ORP, conductivity sensor)</li> <li>• Diaphragm-covered amperometric sensor principle for disinfectant sensors</li> <li>• Low pH dependency for free-chlorine sensors</li> </ul> <p>Flow cell and hydraulic assembly:</p> <ul style="list-style-type: none"> <li>• Max. pressure at inlet: 3bar</li> <li>• Inlet/outlet hose connections suitable for hose sizes: 4/6mm, 6/9mm, 6/12mm, 9/12mm, xx/1/4", 1/4"x3/8", 3/8"x1/2"</li> <li>• Shut-off valve</li> <li>• Flow restrictor (limits to max. approx. 60l/h)</li> <li>• Flow switch (activated at approx. 30l/h)</li> <li>• Flow cell with sample water withdrawal assembly</li> <li>• Max. pressure on outlet: 0,5 bar</li> </ul> <p>This configuration DID-1 BF1-FCL2 includes:</p> <p>Sensor 1: Free chlorine, 0-2ppm</p> <p>Sensortype: Sensor(s) with plug</p> <p>Cablelength: 1,0 m, plugs on both ends</p>



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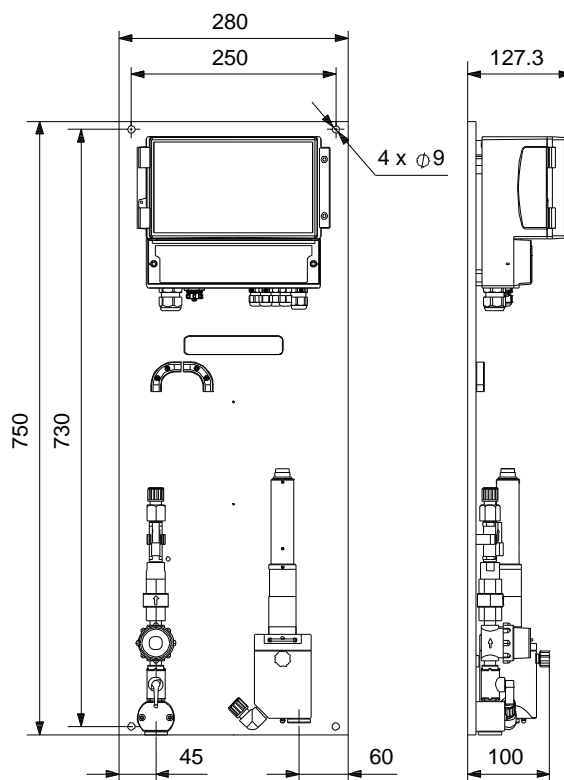
**Phone:**

**Date:**

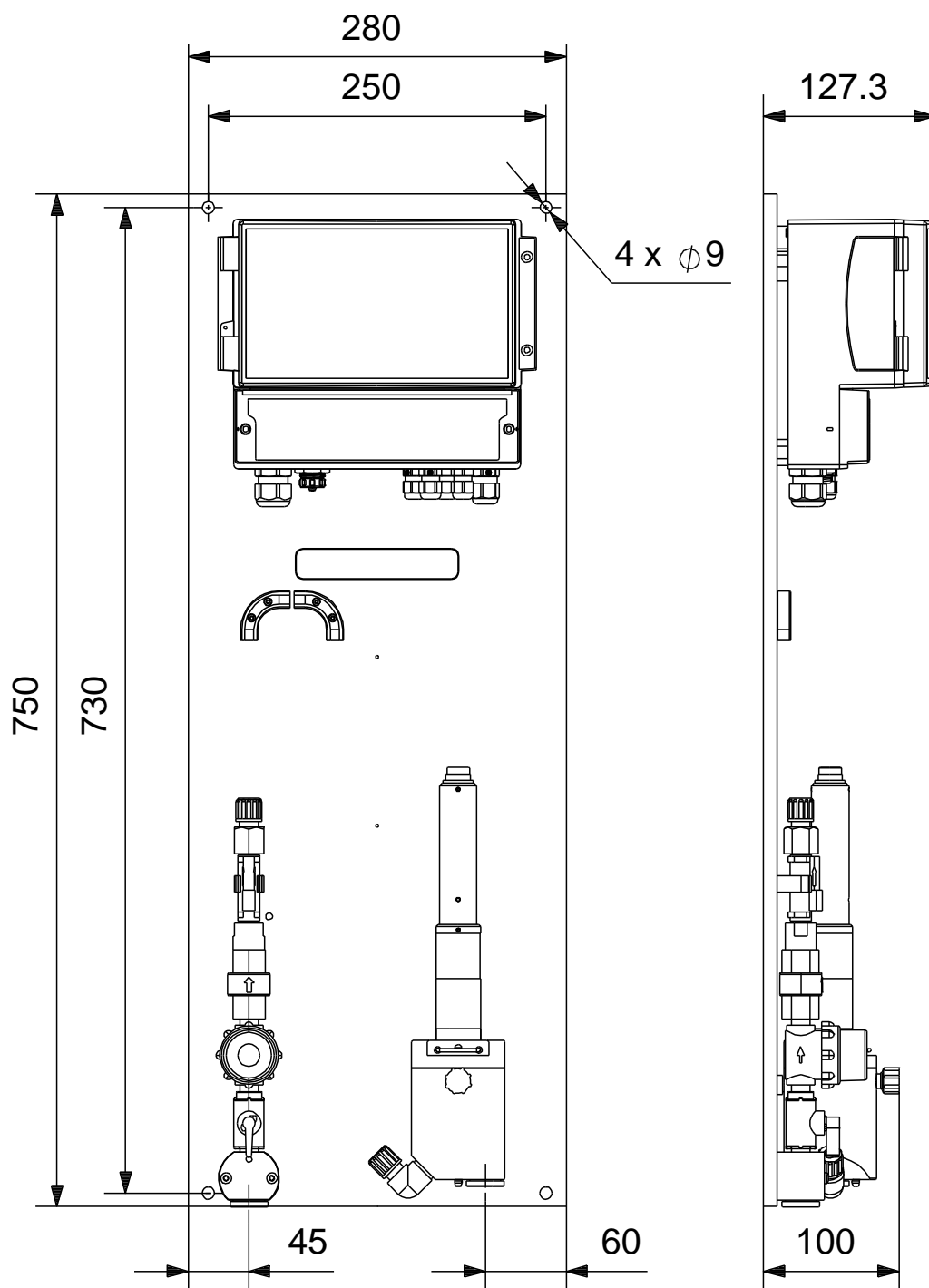
1/18/2017

Position	Count	Description
		Allowable liquid temperature range: 5-45 °C  Voltage indications: 100-240 V Power consumption (max.): 33 VA Protection level of control unit / sensor(s): 65/67  Languages of user interface and documentation: En, Fr, De

Description	Value
<b>General information:</b>	
Product name:	DID compact measuring system
Product No.:	On request
EAN:	On request
Price:	On request
<b>Technical:</b>	
Type key:	DID-1 BF1-FCL2
Preassembled:	Preassembled on back plate
Sensor installation type:	BF1 -flowcell for 1 sensor
Cable length and type:	1,0 m, plugs on both ends
Sensor type:	Sensor(s) with plug
Sensor 1:	Free chlorine, 0-2ppm
Flow detection:	flow switch integrated
<b>Installation:</b>	
Maximum operating pressure:	43.5 psi
Liquid temperature range:	5-45 °C
<b>Electrical data:</b>	
P1:	33 VA
Main frequency:	60 Hz
Rated voltage:	100-240 V
Enclosure class (IEC 34-5):	65/67
<b>Others:</b>	
Language:	En, Fr, De



## On request DID compact measuring system 60 Hz



Note! All units are in [mm] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.