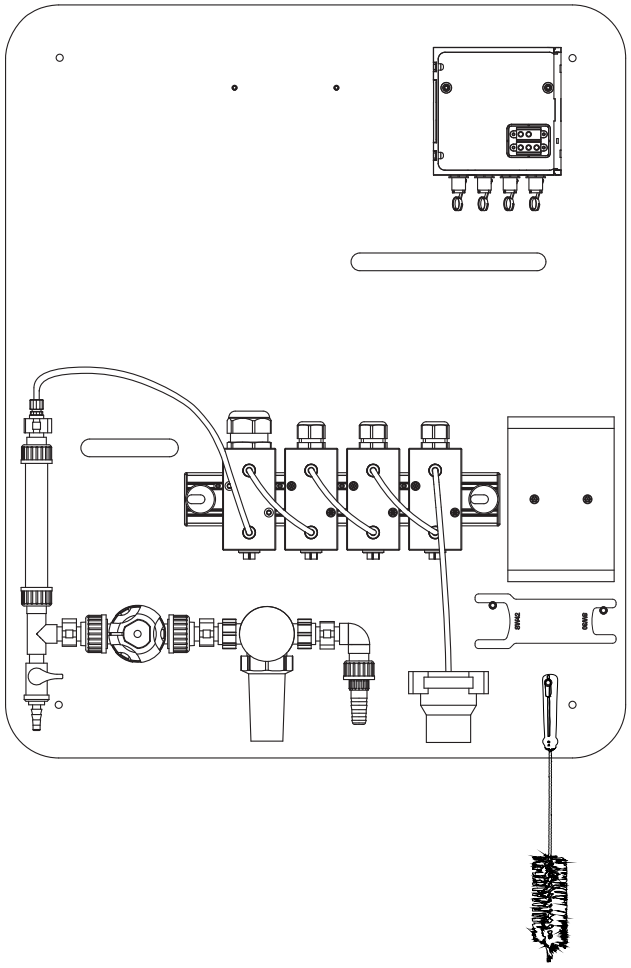

OPERATIONS MANUAL

ba76228e01 10/2024

DW/P

WATER MONITORING PANEL

a xylem brand

For the most recent version of the manual, please visit www.ysi.com.

Contact

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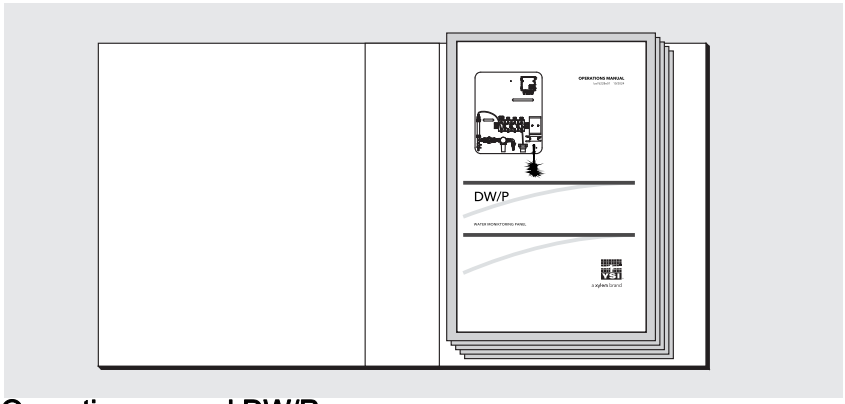
1 Overview

1.1 How to use this operating manual

Structure of the DW/P operating manual



Operating manual DW/P

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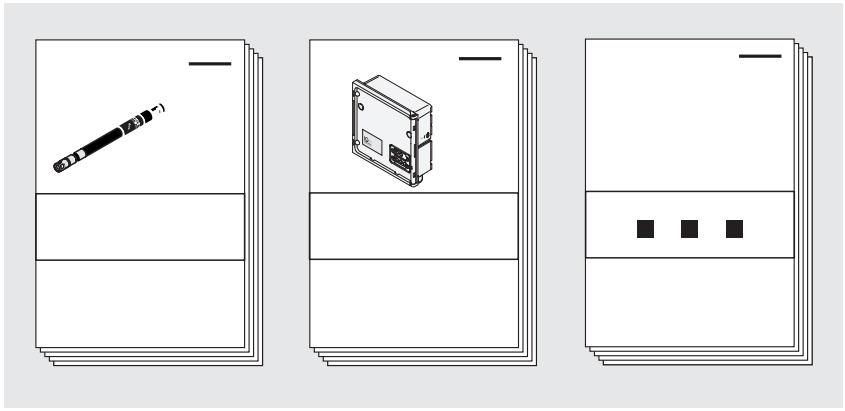


Operating manuals for components

figure 1-1 Structure of the DW/P operating manual

The operating manual has a modular structure.

It consists of the operating manual for the water monitoring panel DW/P and the operating manuals of all the components used.

1.2 Water monitoring panel DW/P

1.2.1 Design of the system

The DW/P water monitoring panel is a modular, preassembled, and preconfigured measuring system for online analysis.

The following components of the water monitoring panel are variable, e.g.:

Component	Equipping option	
Flow through armature	Type: Number:	D 19, D 17 1- 4
MIQ/IDS	Type: Number:	MIQ/IDS2 or MIQ/IDS4 0 - 1

Measured parameters

The water monitoring panel can be configured for the following measuring parameters:

- MIQ/IDS
  - Chlorine
  - pH
  - ORP
  - Conductivity
  - Oxygen

1.2.2 Functional units on the water monitoring panel

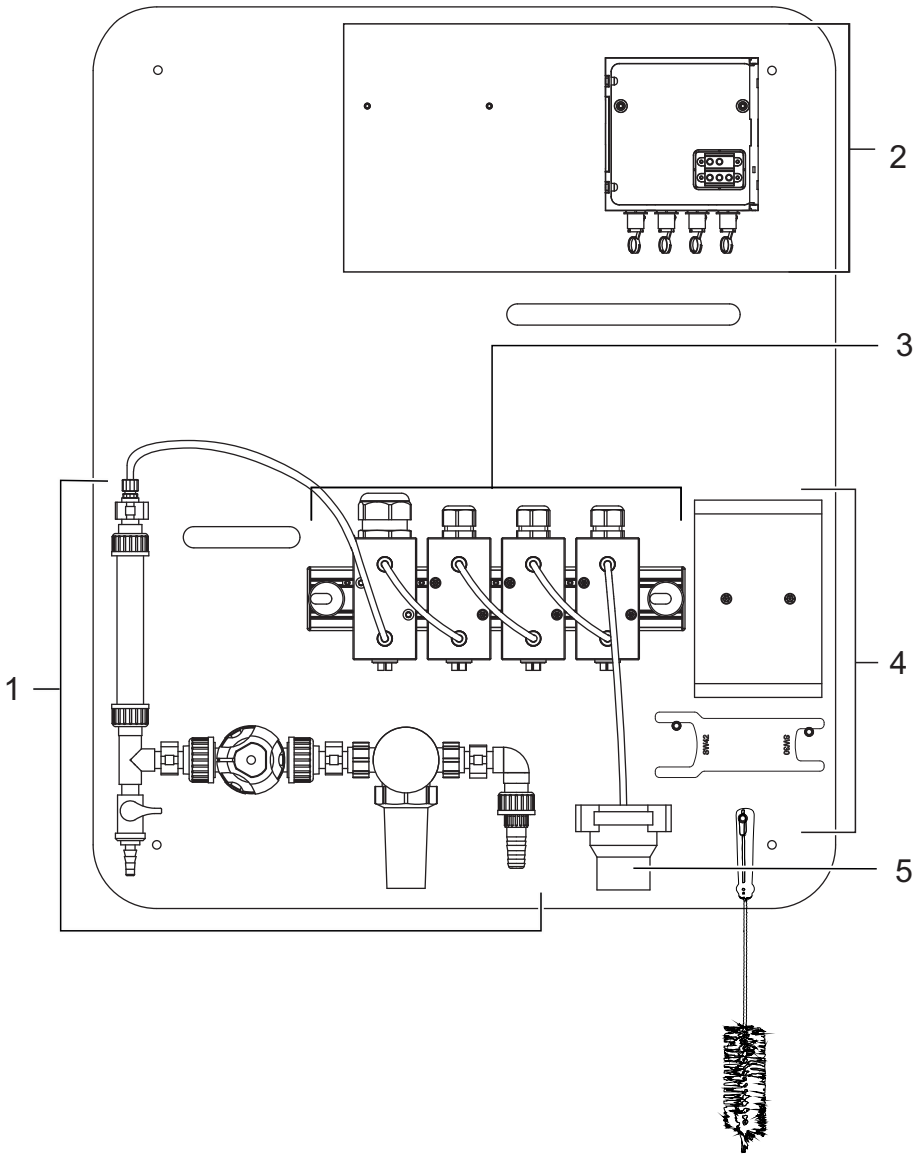


figure 1-2 Units of a fully equipped water monitoring panel

1 Sample inlet

2 IQ SENSORNET system
with boreholes for the installation of further MIQ modules

3 Guide rail with mounted flow through armatures

4 Accessories

5 Sample drain

Details on the basic units

The basic units of the water monitoring panel monitoring consist of other components.

Specified is the maximum equipment. Some components are optional, according to the selected configuration:

1 Sample inlet
- Connection for the sample inlet
- Manually adjustable pressure reducer (Pr-DN10)
- Dosing ball valve (Do-DN10)
- Sampling valve
- Flow indicator

2 IQ SENSORNET system
- MIQ/IDS module for connecting 2 or 4 IDS sensors
- System components (controller and terminal)
- Other components (modules and sensors)

3 Flow through armatures
- Guide rail for mounting flow through armatures
- Flow through armatures (1 to 4)
  - e.g. D 19 for IDS chlorine sensors
  - e.g. D 17 for IDS sensors

4 Accessories
- Maintenance console (MTC/C)
- Assembly wrench (FS DWP)
  for the cable glands at the flow through armatures
- Brush to clean the flow through armatures

5 Sample drain
- Sample outlet funnel
- Lid for sample outlet funnel

1.2.3 Components in the liquid circle

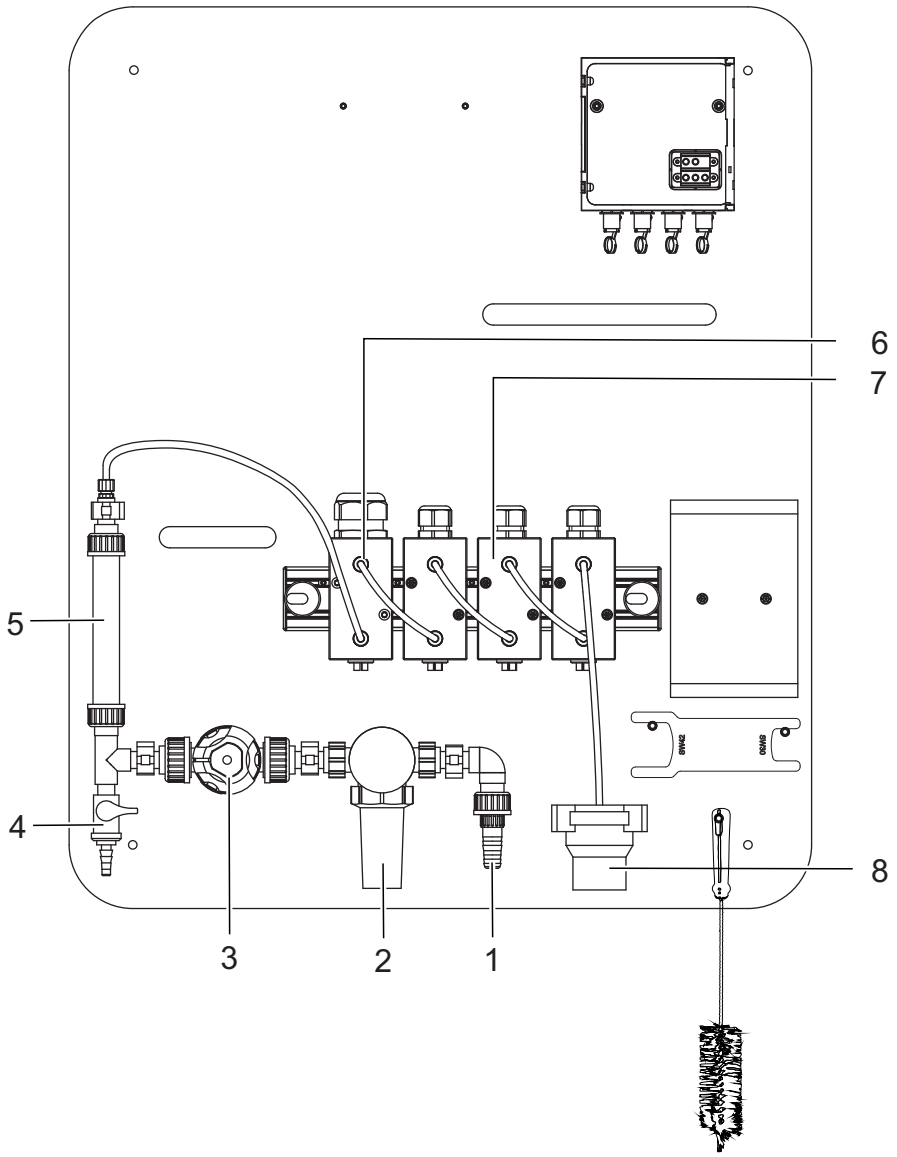


figure 1-3 Components in the liquid circle

1 Sample inlet
2 Pressure reducer
3 Dosage ball valve
4 Sampling valve
5 Flow indicator (unit l/h)
6 Flow through armature for a chlorine sensor (optional)
7 Flow through armatures for other sensors (optional)
8 Sample drain

1.2.4 Components outside of the liquid circle

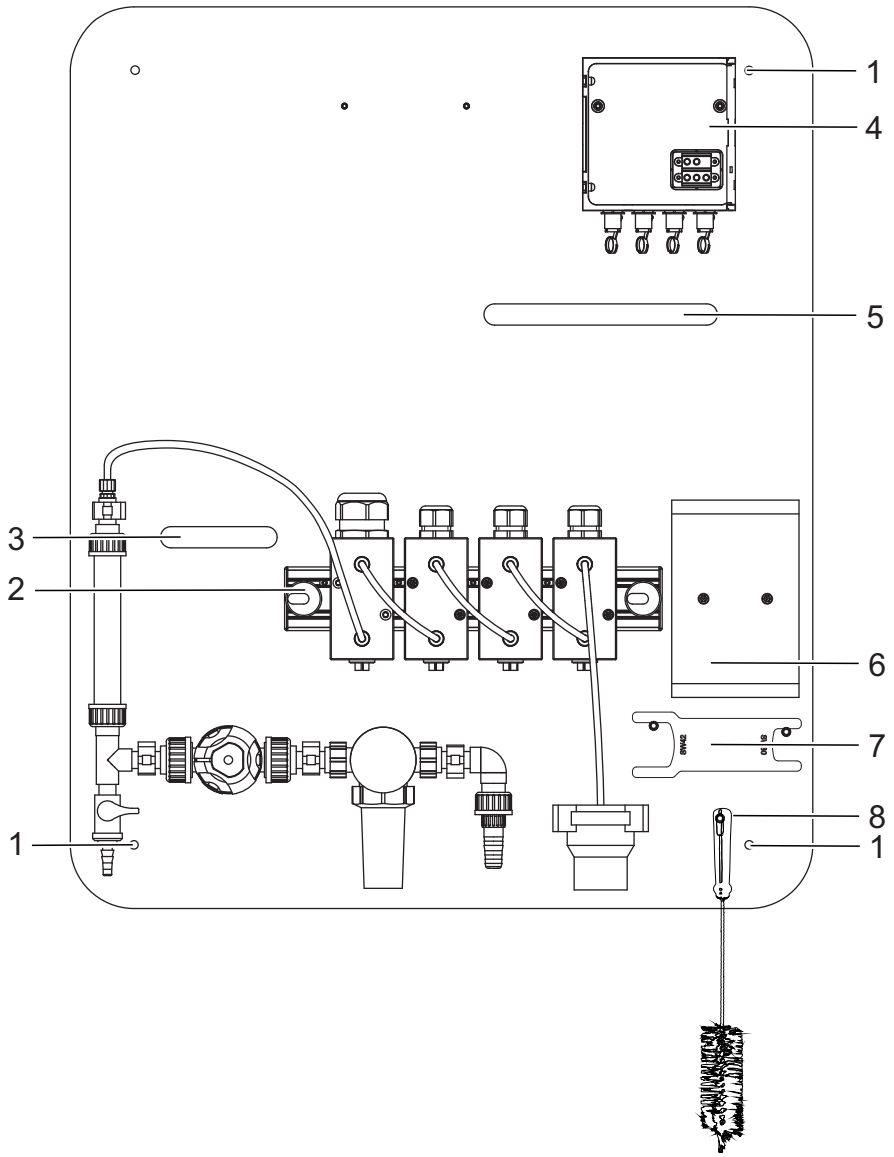


figure 1-4 Components outside of the liquid circle

1 Boreholes at the 4 corners, for wall fastening
2 Guide rail for mounting the flow through armatures
3 Cable outlet to tidy up cables behind the water monitoring panel
4 MIQ/IDS interface module
5 Cable outlet to tidy up cables behind the water monitoring panel
6 Maintenance console
7 Assembly wrench
8 Brush to clean the flow through armatures

2 Safety instructions

2.1 Safety information

2.1.1 Safety information in the operating manual

This operating manual provides important information on the safe operation of the product. Read this operating manual thoroughly and make yourself familiar with the product before putting it into operation or working with it. The operating manual must be kept in the vicinity of the product so you can always find the information you need.

Important safety instructions are highlighted in this operating manual. They are indicated by the warning symbol (triangle) in the left column. The signal word (e.g. "CAUTION") indicates the level of danger:

WARNING
indicates a possibly dangerous situation that can lead to serious (irreversible) injury or death if the safety instruction is not followed.

CAUTION
indicates a possibly dangerous situation that can lead to slight (reversible) injury if the safety instruction is not followed.

NOTE
indicates a situation where goods might be damaged if the actions mentioned are not taken.

2.1.2 Safety signs on the product

Note all labels, information signs and safety symbols on the product. A warning symbol (triangle) without text refers to safety information in this operating manual.

2.1.3 Further documents providing safety information

The following documents provide additional information, which you should observe for your safety when working with the measuring system:

- Operating manuals of other components of the DW/P system (power packs, controller, accessories, sensors, measuring instruments)
- Safety datasheets of calibration and maintenance equipment (e.g. cleaning solutions).

2.2 Safe operation

2.2.1 Authorized use

The authorized use of the water monitoring panel DW/P is exclusively for clean water applications.

Only the operation and running according to the instructions and technical specifications given in this operating manual is authorized (see chapter 6 ACCESSORIES, MAINTENANCE EQUIPMENT AND REPLACEMENT PARTS). Any other use is considered unauthorized.

2.2.2 Requirements for safe operation

Note the following points for safe operation:

- The product may only be operated according to the authorized use specified above.
- The product may only be operated under the environmental conditions mentioned in this operating manual.
- The product may only be supplied with power by the energy sources mentioned in this operating manual.
- The product may only be opened if this is explicitly described in this operating manual (example: connecting electrical lines to the terminal strip).

2.2.3 Unauthorized use

The product must not be put into operation if:

- it is visibly damaged (e.g. after being transported)
- it was stored under adverse conditions for a lengthy period of time (storing conditions, see chapter 6 ACCESSORIES, MAINTENANCE EQUIPMENT AND REPLACEMENT PARTS).

2.3 User qualification

Target group

The water monitoring panel was developed for online analysis. Some maintenance activities, e.g. changing the electrolyte of the chlorine combination electrode, require the safe handling of chemicals. Thus, we assume that the maintenance personnel is familiar with the necessary precautions to take when dealing with chemicals as a result of their professional training and experience.

Special user qualifications

The following installation activities may only be performed by a qualified electrician:

- Connection of the IQ SENSORNET to the power supply.
- Connection of external, line voltage-carrying circuits to relay contacts (see module manual of the relay output module).

2.4 Personal protective equipment (PPE)

The PPE includes clothing and other equipment that is used to protect you against risks at your place of work. You must always wear your PPE while doing dangerous jobs to avoid injuries or damage to your health.

Personal protective equipment	Typical examples
Protective goggles	
Chemical resistant gloves	
Safety shoes	

figure 2-1 Personal protective equipment

It is the duty of the operator to provide all users with the required PPE. The PPE must fulfill the national standards and laws.

3 Installation

3.1 Scope of delivery

- DW/P water monitoring panel with mounted components
  - Inlet section
    - Pipes and glands
    - Pressure reducer
    - Sampling valve
    - Flow indicator
  - MIQ/IDS2 or MIQ/IDS4, depending on the configuration
  - Guide rail for mounting the flow through armatures
  - Flow through armatures, depending on the configuration
  - Maintenance console MTC/C
  - Outlet section
  - 8 spacers (20 mm) for wall mounting
- Components not mounted
  - Assembly wrench FS DWP
  - Cleaning brush
- Operating manuals
  - Water monitoring panel
  - Components mounted

3.2 Basic principles of installation

3.2.1 General installation instructions

Pay attention to the following points during installation:

- The water monitoring panel is shipped in protective transport packaging. We recommend: Keep the packaging material (e.g. for a return shipment). The original packaging protects the water monitoring panel from transport damage.
- Due to its weight, the water monitoring panel must always be carried by two people.
- Wear safety shoes for transport, installation and mounting work (see section 2.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)).
- Mount the water monitoring panel in a straight position (check, for example, with a water level) to ensure that the liquids can drain off optimally.

3.2.2 Steps for installation

1. Install the water monitoring panel
   (see section 3.2.3 MOUNTING OF THE DW/P WATER MONITORING PANEL).
2. Connect any IQ SENSORNET modules
   (see section 3.2.4 CONNECTING THE IQ SENSORNET MODULES).
3. Supply the components with power
   (see section 3.2.5 INSTALLING THE POWER SUPPLY).
4. Install the chlorine sensor into the D 19 flow through armature
   (see section 3.2.6 INSTALLING THE CHLORINE SENSOR INTO THE D 19 FLOW THROUGH ARMATURE).
5. Install the sensor into the D 17 flow through armature
   (see section 3.2.7 INSTALLING THE SENSOR IN THE D 17 FLOW THROUGH ARMATURE).
6. Connect the sensors to the MIQ/IDS module
   (see section 3.2.8 CONNECTING THE SENSORS TO THE MIQ/IDS MODULE).
7. Connection of the inlet and outlet
   (see section 3.2.9 CONNECTION OF SAMPLE OUTLET AND SAMPLE INLET).
8. Tidy up the cables
   (see section 3.2.10 TIDYING UP THE CABLES).
9. Provide the sample flow
   (see section 3.2.11 PROVIDING SAMPLE FLOW AT THE SAMPLE INLET).
10. Starting the measuring operation
    (see section 3.3 STARTING THE MEASURING OPERATION).

3.2.3 Mounting of the DW/P water monitoring panel

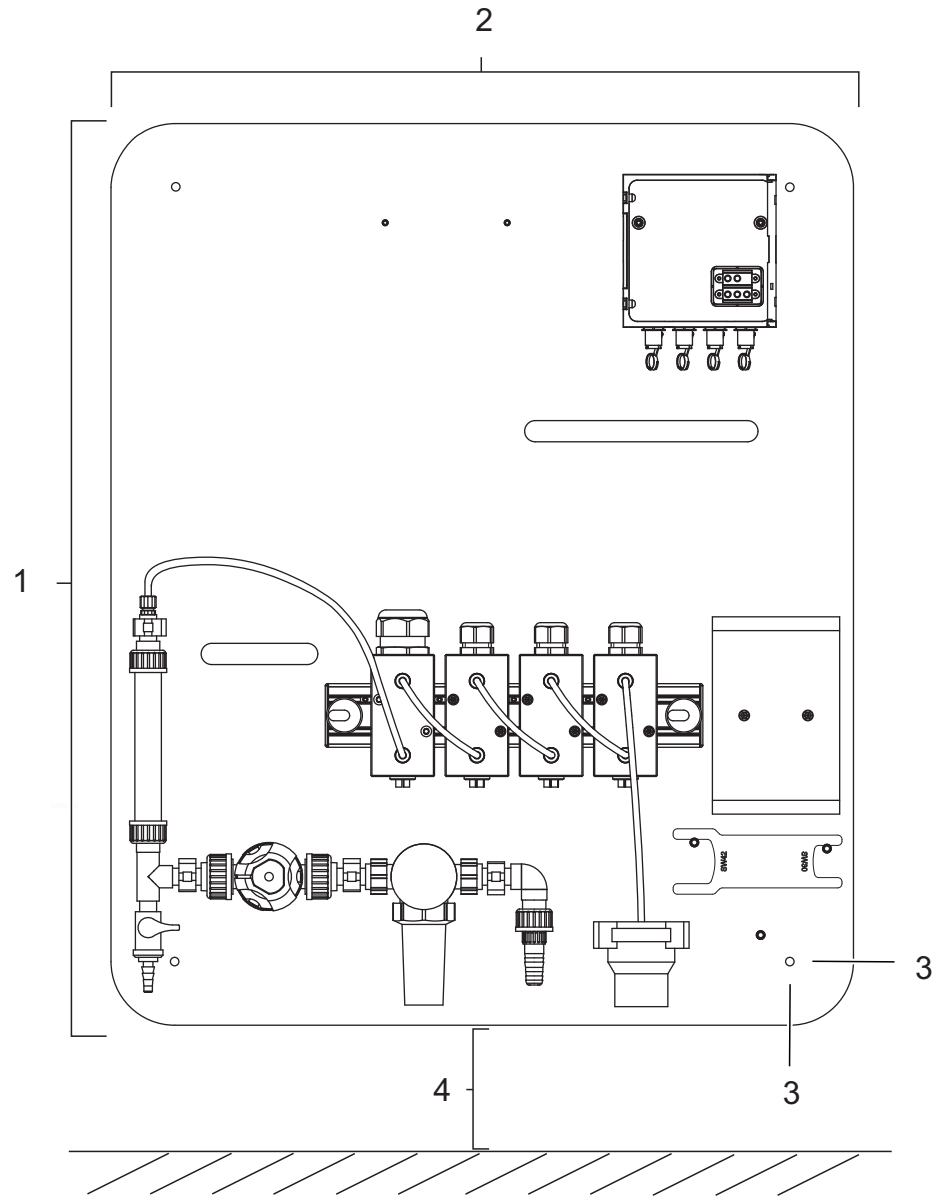


figure 3-1 Dimensions

1 Height: 850 mm
2 Width: 700 mm
3 Distance from the edge (4 holes at the corners): 60 mm
4 Recommendation for distance under the water monitoring panel: approx. 500 mm

Mounting location The water monitoring panel is designed for wall mounting.
At the corners of the water monitoring panel are four holes for wall mounting.

NOTE
The DW/P water monitoring panel may only be installed in closed, frost-free rooms.

Other requirements for the mounting location:

- Free wall (at least 850 x 700 mm, see figure 3-1)
- Distance under the water monitoring panel
  Recommendation: approx. 50 cm
- Distance of the water monitoring panel from the wall:
  Recommendation: 40 mm
  (Long cables can be tied up behind the water monitoring panel.)
  Spacers: See section 3.1 SCOPE OF DELIVERY.
- Do not place or operate any water-sensitive devices below the water monitoring panel.

Mounting

CAUTION

Risk of injury when transporting heavy loads.

Wear safety shoes for transport, installation and mounting work (see section 2.4 Personal protective equipment (PPE)).

Transport the water monitoring panel with two people.

1. Select an easily accessible mounting location for the water monitoring panel.
2. Drill holes at the correct distances (see figure 3-1) in the wall intended for mounting.
3. Select 4 screws:
   - suitable for the material of the wall
   - suitable diameter (8 mm) for the spacers
   - suitable length (approx. 10 cm)
     (Recommendation: 40 mm distance from the wall)
4. Insert the screws through the holes in the water monitoring panel.
5. Place two spacers on each screw.

The spacers are included in the scope of delivery.
One spacer is 20 mm long.
The spacers are suitable for screws with a diameter of 8 mm.

6. Securely fasten the water monitoring panel.
   Make sure that the water monitoring panel does not bend.

3.2.4 Connecting the IQ SENSORNET modules

Any modules included in the scope of delivery (e.g. MIQ/IDS) have to be connected with the IQ SENSORNET. In most applications, the connection as a module stack is the simplest way of connecting the IQ SENSORNET modules.

For details on the connection of IQ SENSORNET modules, see system operating manual IQ SENSORNET.

3.2.5 Installing the power supply

Installation activities for the power supply may only be performed by a qualified electrician:

The following components have their own power supply:

- IQ SENSORNET

The IQ SENSORNET supplies the components of the IQ SENSORNET with power. The power requirement of all components in the IQ SENSORNET determines the number of power supply modules needed.
For the power supply of the IQ SENSORNET within the framework of the water monitoring panel, one module with power supply is sufficient.

To supply more components of the IQ SENSORNET with power, a power rating is required. This determines the number of power supply modules required (see system operating manual of the IQ SENSORNET).

For details on the installation of the power supply, see the operating manuals of the components.

1. Connect the power supply for the IQ SENSORNET
(see operating manual for the power supply module or operating manual of the DIQ/S 28X).
Guide the cable of the power supply through the cable opening of the water monitoring panel.

3.2.6 Installing the chlorine sensor into the D 19 flow through armature

Before installing a sensor in a flow through armature:

Connect the chlorine sensor to the ADA Cl/IDS adapter (see operating manual of the chlorine sensor).

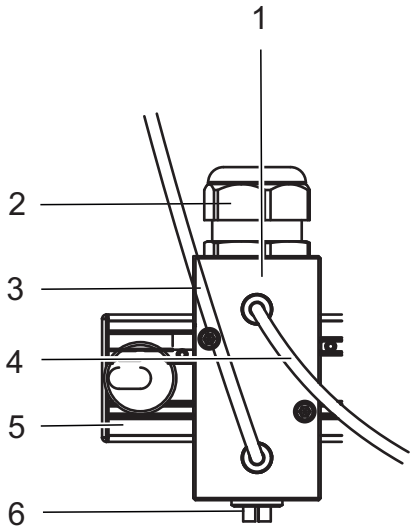


figure 3-2 Flow through armature D 19 for the chlorine sensor

1 Flow through armature
2 Screw gland for fixing the sensor in the flow through armature
3 Sample feed tube
4 Sample outlet tube
5 Guide rail for mounting the flow through armature
6 Screw, for draining the flow through armature

Installation of the chlorine sensor

1. If the water monitoring panel was in operation:
Stop the sample feed.
2. Drain the flow through armature.

The water monitoring panel contains the installation wrench for the screw glands of the flow through armatures.

3. Screw on the screw gland with the installation wrench.
4. Loosely push the screw gland of the flow through armature onto the sensor.
5. Insert the sensor with the screw gland in the flow through armature.

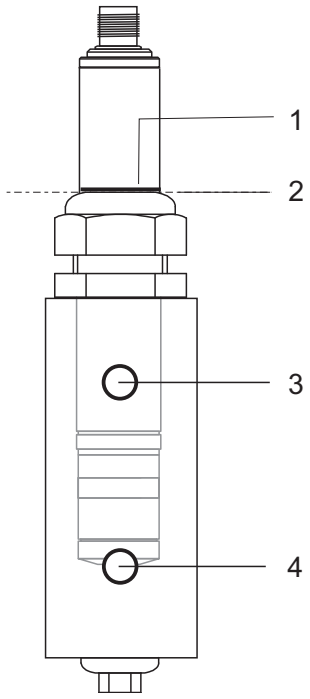


figure 3-3 Install the chlorine sensor in the flow through armature

1 Marking on the chlorine sensor
2 Top edge screw gland
3 Outlet
4 Inlet

6. Align the marking (1) on the sensor with the top edge (2) of the screw gland.
7. Tighten the screw gland by hand.
8. Tighten the screw gland approx. a quarter turn further with the installation wrench.

NOTE
Make sure that the sensor is firmly in place.

A sensor that is fastened too loosely can be pressed out of the flow through armature when pressure is applied.

NOTE
Always open the inlet slowly for commissioning. A strong pressure surge can destroy the membrane.

3.2.7 Installing the sensor in the D 17 flow through armature

Before installing a sensor in a flow through armature:

Connect sensors with plug-in head with the AS/IDS-x cable (see operating manual of the sensor).

Recommendation on the order of the sensors:
To avoid bending sensor cables too much:
Install the sensor with the longest shaft in the flow through armature farthest from the cable opening.

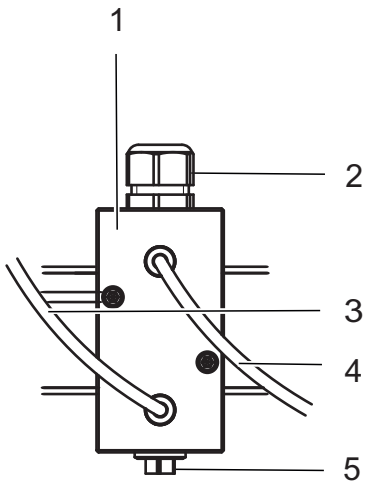


figure 3-4 flow through armature for sensors with 17 mm diameter (IDS sensors)

1 Flow through armature
2 Screw gland for fixing the sensor in the flow through armature
3 Sample feed tube
4 Sample outlet tube
5 Screw, for draining the flow through armature

1. If the water monitoring panel was in operation:
   Stop the sample feed.
2. Drain all flow through armatures.

The water monitoring panel contains the installation wrench for the screw glands of the flow through armatures.

3. Screw on the screw gland with the installation wrench.
4. For FDO 4410 oxygen sensor:
   Slide the spacer (30 mm) over the shaft.
5. Push the screw gland of the flow through armature onto the sensor and tighten slightly.
6. Push the screw gland further over the sensor until the shaft of the sensor is in contact with the screw gland.

When the shaft of the sensor is in contact with the screw gland, the sensor is optimally exposed to the sample.

7. Carefully insert the sensor with the screw gland in the flow through armature.
8. For FDO 4410 oxygen sensor:
   Rotate the sensor so that the slanted surface of the sensor tip faces the sample inlet.
9. Use your hand to tighten the screw gland on the flow armature.
10. Tighten the screw gland approx. a quarter turn further with the installation wrench.

NOTE
Make sure that the sensor is firmly in place.
A sensor that is fastened too loosely can be pressed out of the flow through armature when pressure is applied.

NOTE
Always open the inlet slowly for commissioning. A strong pressure surge can destroy the membrane.

3.2.8 Connecting the sensors to the MIQ/IDS module

1. Install the sensors in the flow through armature
   - Chlorine sensor: see section 3.2.6
   - Other sensors: see section 3.2.7

2. Connect the sensors to the MIQ/IDS module (see MIQ/IDS operating manual).

3.2.9 Connection of sample outlet and sample inlet

The outlet funnel cover is attached to the outlet funnel.

1. Loosen the cover of the outlet funnel from the fastening.
2. Push the open drain tube from the last flow through armature through the cover of the outlet funnel until it protrudes inside.
3. Mount the cover of the outlet funnel onto the outlet funnel.

figure 3-5 Outlet funnel with mounted drain tube

CAUTION
The outlet of the DW/P water monitoring panel may only be connected to an open channel flow that is virtually pressureless.

4. Direct the water from the outlet funnel to a drain for waste water.
5. Connect the sample feed tube to the sample inlet.

3.2.10 Tidying up the cables

The water monitoring panel has cable passages to stow cables behind the water monitoring panel (see section 1.2.4).

1. Insert long cables into the cable passage under the IQ SENSORNET module stack.

3.2.11 Providing sample flow at the sample inlet

Ensure that the fluid circuit is completely closed and tight.

1. Plug the sample feed tube into the connector for the sample feed on the water monitoring panel and secure it with a tube clamp.

CAUTION

Risk of injury in case of overpressure due to splashing water.

Wear protective goggles when connecting the sample feed to the water monitoring panel (see section 2.4).

2. Slowly turn on the sample flow.
3. Check all tube connections of the water monitoring panel for leaks.
4. Check the flow rate on the flow indicator.
5. If necessary:
   Adjust the flow rate on the pressure reducer.

3.3 Starting the measuring operation

Prerequisite:

- The system is started up.
- The sample flow is set.
- All sensors are displayed in the measured value display on the terminal of the IQ SENSORNET.

1. Make the settings for sensors on the IQ SENSORNET.
   (see system operating manual of the IQ SENSORNET).
2. Calibrate the sensors (see operating manual of the MIQ/IDS).

4 Maintenance and cleaning

4.1 Maintenance

Component	Maintenance
Sensor	See operating manual of the sensor
Other components	See operating manuals of the components

4.2 Cleaning

water monitoring panel

Clean the water monitoring panel, tubes and component surfaces by wiping them with a moist cloth.

Water monitoring panel

Clean the water monitoring panel, tubes and component surfaces by wiping them with a moist cloth.

Pipes, inside cleaning

Basically, it is not necessary to clean the insides of the pipes. However, diluted acetic acid (max. 10%) can be pumped through the pipes.

Flow through armatures, flow indicator

1. Stop the sample feed.
2. Drain the flow through armatures.
3. Loosen the screw glands on the flow through armatures.
4. Pull the sensors out of the flow through armatures.
5. Have containers ready to collect water under the flow through armatures.
6. Open the screws on the undersides of the flow through armatures.
7. Clean the flow through armatures, e.g. with a brush or a moist cloth.
8. Have a container ready to collect water under the sampling tap.
9. Open the sampling tap.
   The water from the flow indicator drains off.
10. Unscrew the flow indicator.
11. Remove the flow indicator from the fluid circuit.
12. Clean the flow indicator, e.g. with a brush or a moist cloth.

After cleaning

1. Reinstall the flow indicator in the liquid circuit and screw it in place.
2. Screw in the screws on the undersides of the flow through armatures again.
3. Install the sensors in the flow armatures
(see section 3.2.6 INSTALLING THE CHLORINE SENSOR INTO THE D 19 FLOW THROUGH ARMATURE or
see section 3.2.7 INSTALLING THE SENSOR IN THE D 17 FLOW THROUGH ARMATURE).
4. Check that the inlet and outlet connections are tight on all flow through armatures.
5. Open the sample inlet.

4.3 System expansion

4.3.1 IQ SENSORNET

System expansion of the IQ SENSORNET (see system operating manual of the IQ SENSORNET).

4.3.2 Flow through armatures

All flow through armatures included in the scope of delivery are mounted on a rail.

The maximum number of flow through armatures on the rail is 4.
If the maximum number of flow through armatures has not yet been reached, additional flow through armatures can be mounted on the rail.

To be able to connect 4 IDS sensors to the IQ SENSORNET the following requirements must be met:

- 4 IDS interfaces are available on the IQ SENSORNET.
- The IQ SENSORNET can indicate 4 sensors in the measured value display.

Replacing or adding any flow through armatures

1. Select the position for the new flow through armature.

One criterion for the choice of position is, for example, the space requirement of a sensor upwards.

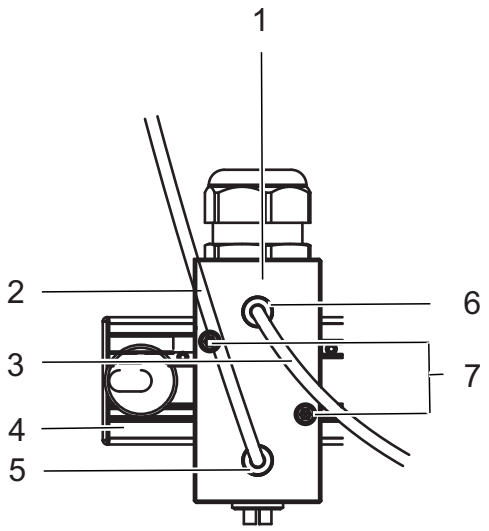
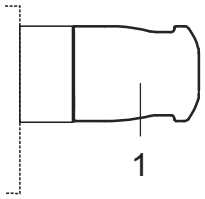


figure 4-1 Flow through armatures (example D 19)

1 Flow through armature
2 Sample feed tube
3 Sample outlet tube
4 Guide rail for mounting flow through armatures
5 Click screw connection sample inlet
6 Click screw connection sample outlet
7 Holes for mounting the flow through armature

2. Insert a screw with washer in each of the two holes (7) and mount the flow armature on the rail.
3. Connect the tube to the click screw connection on the sample outlet (see section 4.3.3).
4. Connect the tube to the click screw connection on the sample outlet (see section 4.3.3).
5. Install the sensors in the flow through armatures.
   - Chlorine sensor in flow through armature D 19: see section 3.2.6
   - Other sensors in flow through armature D 17: see section 3.2.7

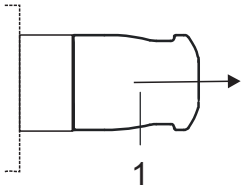
4.3.3 Connect the tube to the click screw connection of the flow through armature



1 Sleeve of the click screw connection (blue)

figure 4-2 Click screw connection (closed)

1. Pull out the sleeve of the click screw connection (1) until it audibly disengages with a click.

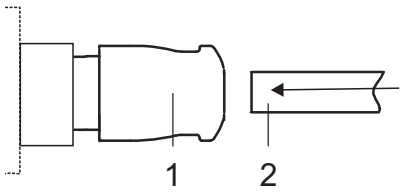


1 Sleeve of the click screw connection (blue)

figure 4-3 Open the click screw connection

2. Insert the tube 26 mm deep into the sleeve (1) of the click screw connection.

   If the tube is not inserted deep enough, the connection will not be tight.

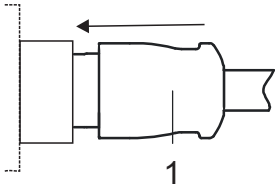


1 Sleeve of the click screw connection (blue)

2 Tube

figure 4-4 Insert the tube in the sleeve

3. Press the sleeve of the click screw connection (1) against the flow through armature until it audibly engages. The tubes are connected tightly.



1 Sleeve of the click screw connection (blue)

figure 4-5 Close the click screw connection

5 Technical data

5.1 Water monitoring panel

Water monitoring panel

Dimensions (H x W x D)	Approx. 850 x 700 x 13 mm
Material	PVC rigid foam, spumed, white

Mounting

4 holes in the water monitoring panel

Diameter	8.5 mm
Distances	60 mm from the edge

Ambient conditions

Temperature

Operation	5 °C ... + 40 °C
Storage	0 °C ... + 45 °C

Permissible overpressure

Before pressure regulator (inlet)	0 ... 6 bar
After pressure regulator	1.5 bar (preset)

Medium overflow

Into open channel flow, virtually pressureless. A water column of max. 0.5 m relating to the lid of the pH flow through armature may be applied.

Sample flow

Without chlorine sensor	At least 10 l/h
With chlorine sensor	At least 15 l/h

Range of application

Water monitoring and swimming pool water

Inlet and outlet

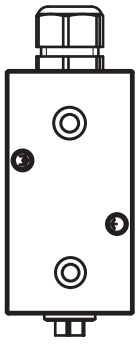
Inlet	Tube nozzle R1/2", not removable
Outlet	Outlet into funnel, Ø 40 mm

5.2 Components

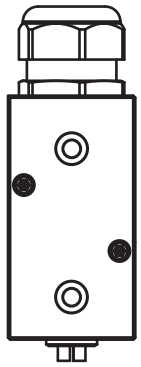
Maintenance console MTC/C

Dimensions (H x W)	160 x 120 mm
Material	Kömacel (PVC hard integral foam board), white

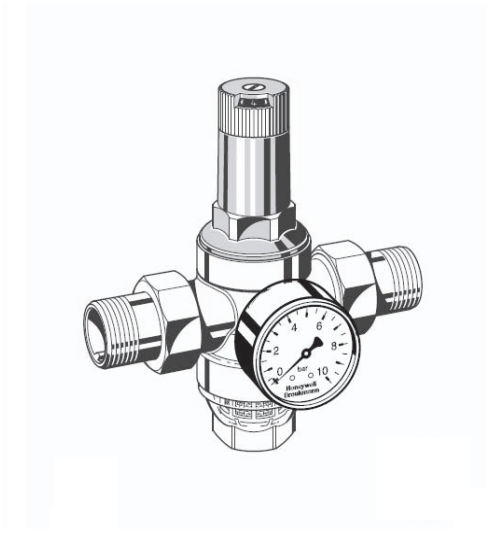
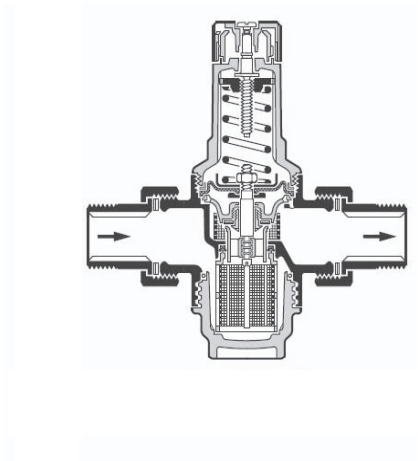
Flow through armature D 17 for pH, ORP, conductivity, oxygen

Material	PVC
Sealing material	NBR
Application temperature	Max. 40 °C
Flow rate	Max. 60 l/h
Pressure load	Max. 0.5 bar
Process connection	Polyurethane tube – Outer diameter: 6 mm – Inner diameter: 4 mm – Installation: vertical
Sensor receptacle	Mounting location for one sensor (clamped) – Diameter: 12 mm - 17 mm – Mounting length: 120 mm
Dimensions	Height: 115 mm (without screwed cable gland) Width: 60 mm Depth: 50 mm
Figure	

Flow through armature D 19 for chlorine

Material	PVC
Sealing material	NBR
Application temperature	Max. 40 °C
Flow rate	Max. 60 l/h
Pressure load	Max. 0.5 bar
Process connection	Polyurethane tube – Outer diameter: 6 mm – Inner diameter: 4 mm – Installation: vertical
Sensor receptacle	Mounting location for one sensor (clamped) – Suitable for sensors with diameter: 18 mm - 25 mm; – Mounting length: 120 mm
Dimensions	Height: 115 mm (without screwed cable gland) Width: 60 mm Depth: 50 mm
Figure	

Pressure reducer Pr-DN10

Material	Brass, plastic, stainless steel
Sealing and membrane material	NBR
Application temperature	Max. 40 °C
Pressure before pressure regulator (inlet)	Max. 25 bar*
Pressure after pressure regulator	Max. 6 bar*
Minimum pressure difference	1 bar
Figure	 

* Deviating values when operated on the water monitoring plate (see section 5.1)

Dosing ball valve Do-DN10

Housing material	PVC-U
Ball sealing material	PTFE
Pressure	Max. 10 bar*

*Deviating values when operated on the water monitoring plate (see section 5.1)

5.3 Components with power supply

Some components of the water monitoring panel require a power supply.

For more information, see the component operating manual.

Component	Power supply
IQ SENSORNET system DIQ/S 28X	See system operating manual IQ SENSORNET DIQ/S 28X
IQ SENSORNET mains power supply module	See operating manual power supply module
Sensors	The sensors are supplied with power via the IDS cable or the IDS adapter. The power supply of the IQ SENSORNET system must be adapted to the power requirements of the connected modules and IDS sensors.

6 Accessories, maintenance equipment and replacement parts

Description	Model	Order no.
Flow through armature for sensors	D 17	401990Y
Flow through armature for chlorine sensors	D 19	401991Y
MIQ module for 2 IDS sensors	MIQ/IDS2	480032Y
MIQ module for 4 IDS sensors	MIQ/IDS4	480034Y
Guide rail for mounting the flow through armature	MS DWP	904001Y
Maintenance console	MTC/C	904009Y
Tube set	AS/4-2	904015Y
Tube 5 m	AS/5m	904017Y
Tube couplings	AS/CON	904020Y
Spare parts for flow through armature D 17	KT/D 17	904023Y
Spare parts for flow through armature D 19	KT/D 19	904024Y
Assembly wrench (SW 30, SW 42)	FS DWP	904030Y

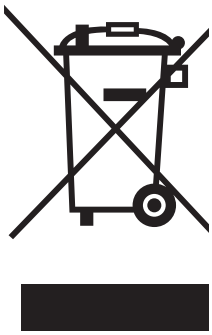
Description	Model, order no.
Suitable sensors	See operating manual of the MIQ/IDS
Accessories for sensors	See operating manuals of the sensors
Accessory for the IQ SENSORNET	See system operating manual IQ SENSORNET

You can find more products in the catalog or on the Internet at www.YSI.com. There you will also find laboratory and handheld photometers and the photometric test kits suitable for your application and photometer.

7 Disposal

Handle and dispose of all waste in compliance with local laws and regulations.

EU only: Correct disposal of this product — WEEE Directive on waste electrical and electronic equipment



This marking on the product, accessories or literature indicates that the product should not be disposed of with other waste at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Waste from electrical and electronic equipment can be returned to the producer or distributor.

8 Contact Information

8.1 Ordering & Technical Support

Telephone: (800) 897-4151
(937) 767-7241
Monday through Friday, 8:00 AM to 5:00 PM ET

Fax: (937) 767-1058

Email: info@ysi.com

Mail: YSI Incorporated
1725 Brannum Lane
Yellow Springs, OH 45387
USA

Internet: www.ysi.com

When placing an order please have the following information available:

- YSI account number (if available)
- Model number or brief description
- Quantity
- Name and Phone Number
- Billing and shipping address
- Purchase Order or Credit Card

8.2 Service Information

YSI has authorized service centers throughout the United States and Internationally. For the nearest service center information, please visit www.ysi.com and click ‘Support’ or contact YSI Technical Support directly at 800-897-4151.

When returning a product for service, include the Product Return form with cleaning certification. The form must be completely filled out for an YSI Service Center to accept the instrument for service. The Product Return form may be downloaded at www.ysi.com and clicking on the ‘Support‘ tab.

Xylem |'zīləm|

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com

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