



Drinking Water Monitoring

SUSTAINABLE, USER-FRIENDLY AND RELIABLE



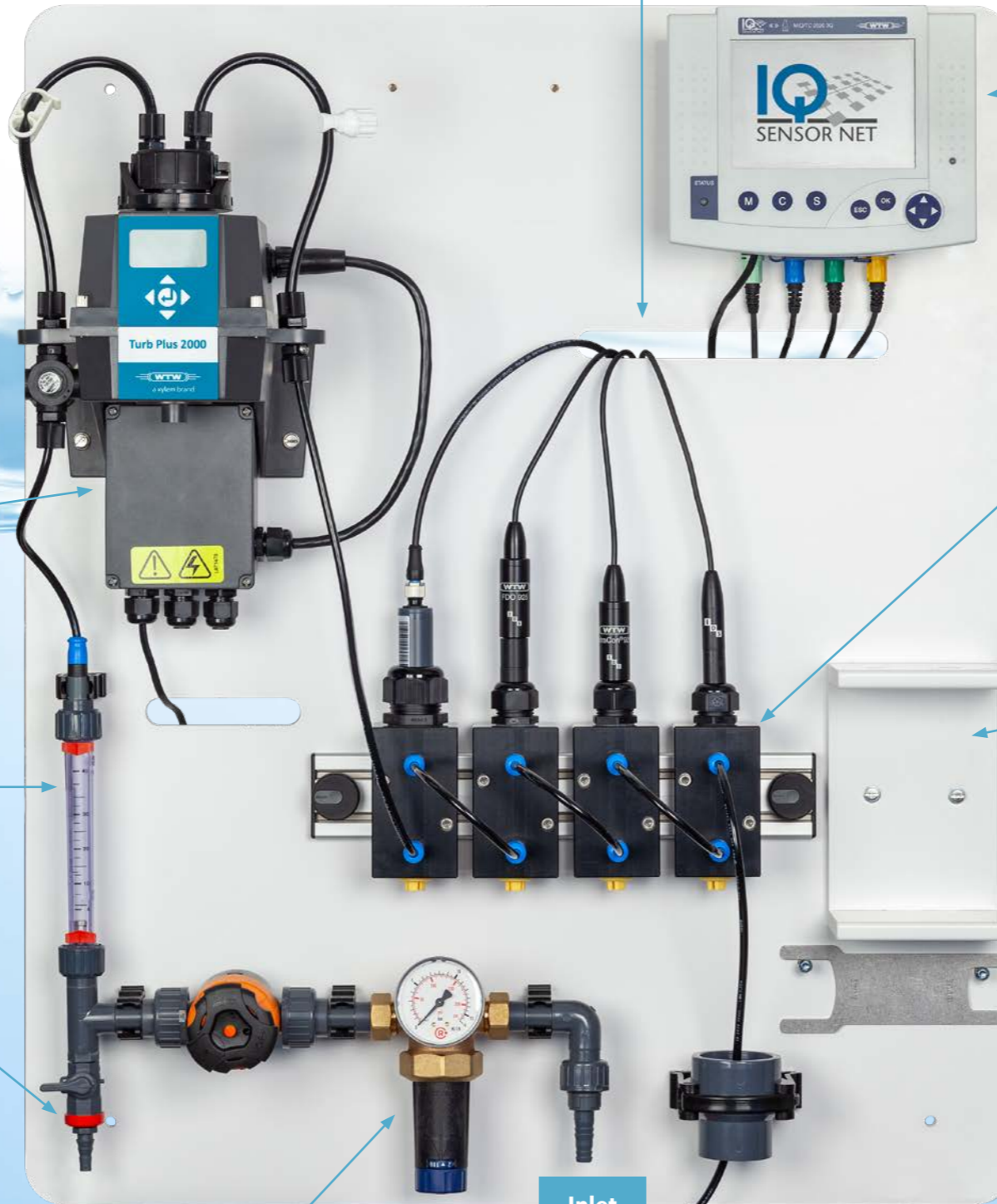
a xylem brand

Drinking Water Panel

Thanks to the combination of our proven IQ SENSOR NET system with the intelligent IDS sensors, the measuring panel delivers accurate and reliable results.



- Digitally connected thanks to versatile fieldbus communication for secure data transmission
- Compact and efficient design for easy handling in everyday work
- Water conservation with low volume flow



Recesses for excess cable lengths
Tidy up in no time at all!
Neat and tidy and tidy appearance thanks to the elegant cable duct.



MIQ/IDS module
The module enables the IDS sensors to be connected to all IQ SENSOR NET controllers.



Flow-through cells
Not only sleek and modern, but also reliable and low maintenance!
The opaque design prevents the measurement results from being affected by light or algae growth.

Maintenance station
Quick maintenance and calibration of the sensors without long dismantling directly on the panel.



Maintenance - made easy!
You will receive a universal tool and a cleaning brush for the flow-through pots with the space provided on the board.



Turbidity analyzer (optional)
Compliant to ISO EN DIN 7027 or EPA 180.1

Flow indicator
Make sure that the flow rate is in the optimum range.

Sampling tap
Conveniently take your samples for the reference measurement without interrupting the measurement.

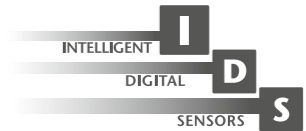
Pressure reducer
Preset to 1,5 bar.

Inlet

Outlet

Parameters


Up to five parameters for your individual measurement solution
Select up to four sensors and the optional turbidity analyzer.



pH

SenTix® 945-1,5(-P)

TD D7.08 Low-maintenance IDS gel electrolyte pH electrode with built-in temperature sensor.



Cond

TetraCon® 925 (-P)


TD D7.08 With proven four-electrode technology and automatic transfer of cell constant and temperature compensation.



Cond

LR 925/01(-P)

TD D7.08 Two-electrode technology for measurements in ultrapure water.



D.O.

FDO® 925(-P)


TD D7.08 Low maintenance & fast ($t_{99} < 60s$) with factory-calibrated sensor cap.



ORP

Sensolyt® ORP 900-P

TD D7.08 Combined IDS ORP electrode with polymer electrolyte, glass shaft, perforated diaphragm and integrated temperature sensor.



IDS sensors (intelligent, digital sensors):

- Easy installation thanks to automatic sensor recognition
- Convenient calibration directly at the measuring point or in the laboratory

Chlorine sensors (FCML 412-M12):

- pH compensated measurement

Turbidity analyzer (Turb PLUS 2000):

- Integrated ultrasonic cleaning



Turb

Turb PLUS 2000

Compliant to ISO EN DIN 7027 or EPA 180.1.


TD D7.06

Cl

FCML 412-M12

Amperometric measurement up to 2 or 20 mg/L.

TD D7.01



IQ systems for Drinking water suppliers



The system 2020 3G

The operating terminal with large display for monitoring of more than 4 parameters.



MIQ/TC 2020 3G

Portable operating unit with USB interface; can be connected to any module



D1.01

The modules

For communication, power supply and sensor connection.



MIQ/CR3

With 3 power outputs and 3 relays



MIQ/C6

With 6 power outputs

MIQ/R6

With 6 relays



MIQ/IC2

With 2 power inputs for connecting the TURB PLUS 2000 or any other external sensor.



MIQ/MC3

For digital communication with the control centre.



MIQ/PS or MIQ/24V

For power supply via wide range or 24V (AC and DC)



MIQ/IDS1

For the connection of one IDS sensor.



MIQ/IDS2

For the connection of two IDS sensors.



MIQ/IDS4

For the connection of four IDS sensors.

Compact & user-friendly

The systems for up to 4 sensors impress with their compact design and simple installation.



DIQ/S 281



D1.09



DIQ/S 282



D1.07



DIQ/S 284



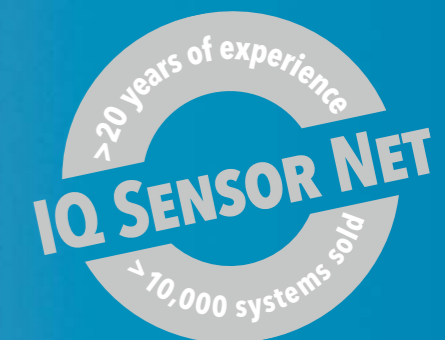
D1.08

Further information can be found e.g. in the flyer 999329US.



Your Benefits:

- Expandable at any time for growing requirements
- Compilation for your individual needs
- Can be combined with spectral sensor for nitrate or SAC/UVT
- Always up-to-date with free updates



Do you have an IQ SENSOR NET?

No problem! We offer you the flexibility to easily expand your existing products - just get in contact with us!

Ordering

Discover our innovative drinking water measuring panel!



3 variants of the WTW drinking water panel:
With different numbers of flow cells and with or without turbidity analyzer

Technical data (extract)

Sensor	Measuring range	Accuracy	Resolution
FCML 412-M12-2	Cl 0.005 ... 2.000 mg/l	< 1 % up to 16 mg/l	0.001 mg/l
FCML 412 M12-20	0.05 ... 20.00 mg/l		0.01 mg/l
SenTix® 945 (-P)	pH 0.000 ... 14.000 pH	pH: ±0.004; (IDS measurement electronics) U [mV]: ±0.2; T [°C]: ±0.1	0.001 pH; 0.1 mV
SensoLyt® 900-ORP-P	ORP -1250.0 ... +1250.0 mV	U [mV]: ±0.2 T [°C]: ±0.1	0.1 mV
TetraCon® 925 (-P)	Cond x: 0.0 µS/cm ... 2000 mS/cm SAL: 0.0 ... 70.0 TDS: 0 mg/l ... 199.9 g/l	±0.5 % from measured value; T [°C]: ±0.1	x: Up to 0.1 µS/cm or until 0.01 mS/cm SAL: 0.1 TDS: Up to 1 mg/l or until 0.01 g/l
LR 925/01(-P)	0.01 ... 199.9 µS/cm	±0.5 % from measured value	Up to 0.01 µS/cm
Turb PLUS 2000	Turb Factory setting: 0 ... 100 NTU; optional: 0 ... 10 und 0 ... 1000 NTU	Up to ±2 % of the measured value or ±0.02 NTU	Up to 0.0001 NTU
FDO® 925(-P) at 20 °C (68 °F)	O₂ 0.00 ... 20.00 mg/l 0.0 ... 200.0 %	±1.5 %	0.01 mg/l 0.1 %

Panel / Measuring system

Outputs	Relais: Number selectable Power outputs: (mA) Number selectable Digital: Profinet, Profibus, Modbus RTU, Modbus TCP, Ethernet/IP
Data logger	Data memory for up to 525,600 data sets
USB interface	Included as standard on all panels



D7.07

With 18 different variants we offer you the perfect solution for your individual needs.

Order overview panel

Components	Options	Order code
Drinking water panel	with pressure reducer, valve, tap, flow indicator, on waterrepellent panel	8C-
Turbidity analyzer	without turbidity analyzer	0
	acc. to ISO EN DIN 7027 (Infra red)	1
	acc. to EPA 180.1 (white light)	2
Sensors (max. 4 sensors in total)	no chlorine sensor	0
	free chlorine	1
	Number of other parameters (pH, ORP, Cond, O ₂)	1 2 3 4
MIQ modules	MIQ/IDS2	2 4
	MIQ/IDS4	
Your order number	Not every combination is available. Sensors and IQ SENSOR NET components must be ordered separately. If you have any questions, please contact our customer service.	8C- 0

Ordering information sensors/analyzer

Model	Description	Order No.
SenTix® 945	Low-maintenance IDS pH electrode gel electrolyte, integrated temperature sensor, 3 junctions, 1.5 m fixed cable with digital connector.	103743
SenTix® 945-P	Low-maintenance IDS pH electrode gel electrolyte, integrated temperature sensor, 3 junctions, plug-in head	103764
SensoLyt® 900 ORP-P	Combined IDS ORP electrode with polymer electrolyte and glass shaft, integrated temperature sensor, electrode with plug-in head.	103749
FDO® 925	Optical IDS DO sensor with fast responding bevelled membrane, with 1.5 m (4.9 ft) fixed cable with waterproof digital connector.	201300
FDO® 925-P	Optical IDS DO sensor with fast responding beveled membrane, electrode with plug head for connection	201306
TetraCon® 925	4-electrode-IDS conductivity cell with graphite electrodes, cell constant 0.475 cm ⁻¹ , with 1.5 m fixed cable with digital connector.	301710
TetraCon® 925-P	4-electrodes IDS conductivity cell with graphite electrodes, cell constant 0.475 cm ⁻¹ , electrode with plug head for connection	301716
LR 925/01	2-electrode-IDS conductivity cell with ss-electrodes, for ultra pure water, cell constant 0.1 cm ⁻¹ , 1.5 m fixed cable, flow trough vessel.	301720
LR 925/01-P	2-electrode-IDS conductivity cell with ss-electrodes, for ultrapure water, cell constant 0.1 cm ⁻¹ , with plug head, flow through vessel.	301722
FCML 412 M12-2	Chlorine sensor based on the electrochemical principle, measurement of free chlorine, measuring range: 0-2 mg/l, pH range 4-9	201189
FCML 412 M12-20	Chlorine sensor based on the electrochemical principle, measurement of free chlorine, measuring range: 0-20 mg/l, pH range 4-9	201194
ADA S7/IDS	Adapter cable 1.5 m with digital connector, for connecting a SenTix® combination electrode with S7 plug head	108130
AS/IDS-1.5	Connection cable for MPP IDS respectively IDS sensors with waterproof plug head. Length 1.5 m.	903850
ADA CI/IDS	Adapter for connecting FCML 412-M12 chlorine sensors	108155
Turb PLUS 2020	Online turbidity meter Turb PLUS 2020 with white light, nephelometric, with ultrasonic cleaning system, EPA 180.1	600026
Turb PLUS 2120	Online turbidity meter Turb PLUS 2120 with infrared light, nephelometric, with ultrasonic cleaning system, ISO EN DIN 7027	600036

Ordering information terminal/controller/module (selection)

Model	Description	Order No.
MIQ/TC 2020 3G	Module IQ Terminal/Controller, configurable as controller (permanently installed) or as terminal with redundant controller function for system 2020, with USB interface	470020
MIQ/TC 2020 3G-CR3	Multi-parameter measuring converter, for connecting up to 20 IQ sensors. Scope of supply: MIQ/TC 2020 3G, MIQ/CR3 with 3 analog outputs (0/4-20 mA) and 3 relays, MIQ/PS	470022
MIQ/TC 2020 3G-C6	Multi-parameter measuring converter to connect up to 20 IQ sensors. Scope of supply: MIQ/TC 2020 3G, MIQ/C6 with 6 analog outputs (0/4-20 mA), MIQ/PS wide range power supply	470024
MIQ/TC 2020 3G-EF	Multi parameter Controller to connect up to 20 IQ sensors. Scope of delivery: MIQ/TC 2020 3G, MIQ/MC3 Controller with Ethernet interface, MIQ/PS wide range power supply	470026
DIQ/S 281-CR2	Universal Transmitter to operate up 1 digital IQ sensor, with 2 x 0(4) ... 20 mA, 2 x Relays	472103
DIQ/S 282-CR3	Universal Transmitter to operate up to 2 digital IQ sensors, with 3 x 0(4) ... 20 mA, 3 x Relays	472110
DIQ/S 284-CR6	Universal Transmitter to operate up to 4 digital IQ sensors, with 6 x 0(4) ... 20 mA, 6 x Relays	472130
MIQ/IDS1	Modul IQ to connect 1 IDS sensor and 2 IQ sensors to a 2020 or a 28x Controller.	480031
MIQ/IDS2	Modul IQ to connect 2 IDS sensors and 2 IQ sensors to a 2020 or a 28x Controller.	480032
MIQ/IDS4	Modul IQ to connect 4 IDS sensors to a 2020 or a 28x Controller.	480034
MIQ/PS	Module IQ/Power Supply, wide-range power supply for system 2020 and 28x, power output max. 18 W, 3 idle connections	480004
MIQ/24V	Module IQ/24V, power supply for 24 VAC / 24 VDC input voltage	480006
MIQ/R6	Module IQ/Relais 6, for system 2020 and 282/284, with 6 relays (240 VAC/2 A)	480013
MIQ/CR3	Module IQ/Current Relais 3, for System 2020 and 28X, with 3 analog (0/4-20 mA) and 3 relay outputs (250 VAC/5 A)	480014
MIQ/C6	Module IQ/Current 6, with 6 (0) 4 - 20 mA outputs	480015
MIQ/IC2	Module IQ/input current with 2 (0) 4 - 20 mA inputs, for system 2020 and 282/284)	480016
MIQ/MC3	Module IQ/microcontroller for system 2020	471020

You can find all the latest information on our website
www.xylemanalytics.com/en/landingpages/drinking-water-panel



Flow through cells & replacement kits

You would like to assemble your own measuring panel? No problem!

All components of the panel are also available separately, so that you can assemble your measuring point as you like.



Other components of the panel:



(Dis-)assembly tool
FS DWP



Dosing valve
Do-DN10



Maintenance station
MTC/C



Pressure reducer
Pr-DN10

Order information

Model	Description	Order No.
D 17	Flow-through cell D 17 for IDS sensors	401990
D 19	Flow-through cell D19 for the FCML Chlorine sensors	401991
Pr-DN10	Pressure reduction valve. Input pressure max. 16 bar, outlet pressure 1.5-6 bar adjustable. DN10 for Drinking Water Panel	904000
MS DWP	Mountaing rail for fastening the flow cells	904001
Do-DN10	Dosing valve for flow regulation (0-90 l/min, DN10 PVC)	904005
MTC/C	Maintenance console for the Drinking Water Panel	904009
FS DWP	Fork wrench for the sensor screw connections on the flow cells	904030
AS/4-2	Hose set with 4 short and 2 long hoses for the flow-through cells D 17 and D 19	904015
Replacement kits		
AS/CON	Hose connections for the low cells	904020
KT/D 17	Spare parts for the flow cell D 17	904023
KT/D 19	Spare parts for the flow cell D 19	904024
AS/5m	5m hose in one piece for the flow-through cells D 17 and D 19	904017

Further products for continuous monitoring



Cl

Chlorine 3017M

Order No.: 860151

Analyzer for monitoring free and total chlorine using the DPD method.



Further information can be found in the flyer 999319US or on the [internet](#).



SAC

UVT

NO₃

Spectral sensors

Order No.: 481034 to 481038

Sensors for monitoring SAC/UVT and NO₃.



Further information can be found in the flyer 999132US or on the [internet](#).



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