

# YSI Water Monitoring Panel

PH, ORP, CONDUCTIVITY, FREE CHLORINE, D.O. AND TEMPERATURE



For more information visit:  
**[YSI.com/WMP](https://www.ysi.com/WMP)**

The **YSI Water Monitoring Panel** is a modular, continuous water quality monitoring system, designed for municipal water treatment, industrial water management and distribution networks. The panel delivers precise, real-time data to help maintain high water quality standards.



**Reliable Water Quality Control** - Ensure safe drinking water with continuous, accurate monitoring of several critical parameters.



**Simplified Operation** - User-friendly and intuitive, YSI panels streamline daily workflows, minimizing the need for extensive training or technical support.



**Low Flow Design** - Requires just one-third the sample flow compared to existing solutions, boosting efficiency and cost-effectiveness.



**Fully Customizable** - The panel can be configured to the specific needs of any municipal or industrial water system.



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# Water Monitoring Panel SPECIFICATIONS

## WMP Sensor Options:

### pH

- 4140  
1.5 m integral cable
- 4140W  
detachable cable  
(not included)

### Conductivity

- 4310  
1.5 m integral cable
- 4310W  
detachable cable  
(not included)
- 4320  
1.5 m integral cable
- 4320W  
detachable cable  
(not included)

### D.O.

- FDO 4410  
1.5 m integral cable
- FDO 4410W  
detachable cable  
(not included)

### ORP

- 4220W  
detachable cable  
(not included)

### Free Chlorine

- FCML 412-M12
- FCML 412 M12-20



The onboard maintenance station allows for onsite calibration, cleaning, and consumable replacement, maximizing convenience.

General	
Calibration Capability	Yes, sensor dependent, onboard calibration station
Communication Protocols	0/4-20 mA, EtherNet/IP Modbus TCP/IP, Modbus RTU, Profibus, Profinet
Electromagnetic Compatibility	EN 61326, Class B; FCC Class A, EMC for indispensable operation
Certifications	ETL, cETL (conforms with relevant UL and Canadian standards), CE
Display/Controller	IQ SensorNet 2020 3G, 282, or 284 controller
Data Logger	Data memory for up to 525,600 data sets
Flow Rate	3 to 15 gal/h (11 to 60l/h)
Pressure	0 to 87 psi (0 to 6 bar) at inlet, 0 to 21 psi (1.5 bar) after pressure reducer
Dimensions (HxWxD)	Approx. 33.5x27.6x0.5 in. (850x700x13 mm)
Material	PVC rigid foam, spumed, white
Temperature	Operation: 41 to 104 °F (5 to 40 °C) Storage: 32 to 113 °F (0 to 45 °C)
Inlet	Barbed fitting R1/2", non removable
Outlet	Outlet into funnel, Ø 1.57 in. (40 mm)
Warranty	Panel: 1 year Controller and Module: 3 years

Technical Data			
Parameter	Measuring Range	Accuracy	Resolution
<b>4140(W)</b>			
pH	0.000 to 14.000 pH	pH: ±0.004; (IDS measurement electronics) U [mV]: ±0.2 T [°C]: ±0.1	0.001 pH; 0.1 mV
<b>4310(W)</b>			
Conductivity	0.0 to 2000 mS/cm	±0.5% from measured value; T [°C]: ±0.1	Cond. up to 0.1 µS/cm or until 0.01 mS/cm
Salinity TDS	0.0 to 70.0 0 to 199.9 g/l		Salinity 0.1 TDS up to 1 mg/l or until 0.01 g/l
<b>4320(W)</b>			
Conductivity	0.01 to 199.9 µS/cm	±0.5% from measured value	Up to 0.01 µS/cm
<b>FDO 4410(W)</b>			
D.O.	0.00 to 20.00 mg/l 0.0 to 200.0 %	±1.5%	0.01 mg/l 0.1 %
<b>4220(W)</b>			
ORP	-1250.0 to +1250.0 mV	U [mV]: ±0.2 T [°C]: ±0.1	0.1 mV
<b>FCML 412-M12-2/-20</b>			
Free Cl <sub>2</sub>	0.005 to 2.000 mg/l 0.05 to 20.00 mg/l	<1% up to 2 mg/l <1% up to 16 mg/l	0.001 mg/l 0.01 mg/l

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Water



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