

Water Quality Meters

WTW MultiLine® IDS Portable Meters

MultiLine® IDS portable water quality meters are robust with a IP 67 waterproof rating and available in wireless sensor configurations.

The Intelligent Digital Sensors (IDS) – combine proven measurement technique with additional advantages. The proven electrochemical WTW sensors are equipped with advanced measurement electronics that distinctively store their serial number and calibration records for immediate operation.

For wireless configuration place the included wireless module on the IDS plug head sensor, confirm the connection – done! Put the module on a desired sensor or use a separate one for each sensor. No cables, no tugging, and full flexibility.

FEATURES

Wireless IDS Options

- No cables
- Securely connected
- Same module for all parameters

Multi 36x0 IDS

- Two field-tested waterproof USB interfaces
- Connection of USB memory stick or selected printers
- Data transfer to PC or Laptop with MultiLab® Importer Excel plug in
- Rechargeable batteries for charging in the meter
- Stationary power supply with mains voltage or via USB
- Perfect for long data series: memory for 10,000 automatic and 500 manual records

Multi 3510 IDS

- Water proof Mini USB-B interface for fast data transfer to PC
- Reliable power in the field by alkaline manganese batteries
- Secure stationary power supply via USB

Proven IDS technology with new advantages

- Premium sensor technology combined with advanced measurement electronics
- IDS sensors store serial numbers and calibration history – for immediate operation
- Current rating of sensor quality with IDS pH electrodes by QSC (Quality Sensor Control)
- Plug head sensors are available for measurement with IDS wireless modules



Multi 3630 IDS

Multi 3620 IDS

Multi 3510 IDS

MULTILINE IDS MODELS

Multi 3630 IDS

The all-rounder for pH/ORP, conductivity, dissolved oxygen and turbidity.

The Multi 3630 does not only measures up to three parameter simultaneously via radio or cable but also works together with the depth sonde MPP IDS.

- Secure results by 3 galvanically isolated universal sensor inputs
- Simultaneous reading of up to 3 parameters with fatigue-proof brilliant color display
- Easy to operate with well-laid out menu structure
- Future-proof prepared for wireless measurement

Multi 3620 IDS

Simultaneous measurement of 2 optional parameters.

The Multi 3620 IDS with 2 universal measurement inputs, works with all WTW IDS pH, ORP, Dissolved Oxygen sensors, conductivity cells and turbidity sensors no matter if connected via cable or wireless module.

- Secure results by 2 galvanically isolated universal sensor inputs
- Simultaneous reading of up to 2 parameters with fatigue-proof brilliant color display
- Easy to operate with well-laid out menu structure
- Future-proof prepared for wireless measurement

Multi 3510 IDS

The Multi 3510 IDS is a perfect door opener for IDS multi-parameter measurement. The universal measurement input works with all WTW IDS pH, ORP, dissolved oxygen, conductivity and turbidity sensors, either by cable or by wireless modules.

- Sequential multi-parameter measurement
- Perfect for data collecting in the field: memory for 4,500 automatic and 500 manual records.
- Reliable and robust for mobile applications
- Easy to read backlit graphic display
- Future-proof prepared for wireless measurement

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

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WTW MultiLine® IDS Portable Meters

METER TECHNICAL DATA

MultiLine® Model	Multi 3630 IDS	Multi 3620 IDS	Multi 3510 IDS
Parameter	pH, mV, D.O. (Saturation, concentration, partial pressure, BOD), Conductivity (spec. resistance, salinity, TDS), Temperature, Turbidity, Depth*	pH, mV, D.O. (Saturation, concentration, partial pressure, BOD), Conductivity (spec. resistance, salinity, TDS), Temperature, Turbidity	
Digital/IDS Sensors	•	•	•
Universal Measurement Channels	3	2	1
Memory	Manual: 500 records	Automatic: 10,000 records	Manual: 500 records Automatic: 4,500 records
Datalogger	Manual/Time controlled		Manual/Time controlled
Interface	USB A, Mini USB-B		Mini USB-B
Display	Color graphic		Graphic, black and white
Power Supply	Power supply with charging function, 4 NiMH re-chargeable batteries (AA type), USB		4 alkaline manganese batteries, USB
Protection Class	P-67		P-67

* with MPP 930 IDS

WIRELESS TECHNICAL DATA

General

Radio Standard	Bluetooth LE
Range	About 10 m
Power Supply	Re-chargeable LiPo battery 230mAh
Continuous Operating Times	IDS pH electrodes: 60 h IDS ORP electrodes: 60 h IDS Conductivity cells: 30 h (conductivity up to 1S) IDS FDO® sensor: 9 h IDS Turbidity sensor: 5 h
Signal	RGB LED
Protection Class	IP-43

pH Measurement

pH	-2.0 – 20.0 pH -2.00 – 20.00 pH -2.000 – 20.000 pH
mV	±2000, ±1250.0
Temperature	-5.0° – 105.0°C
AutoRead	Automatic/Manual
CMC	Yes
QSC	Yes
Calibration	1-, 2-, 3-, 4-, 5-point; WTW Technical, DIN/NIST, additionally 22 buffer sets
Calibration Memory	Up to 10 calibrations

Conductivity Measurement

Conductivity	0.0 – 2000 mS/cm
Additionally	0.00 – 19.99 µS/cm, K = 0.1 cm-1
Spec. Resistivity	0.00 – 20 MΩ cm
Cell Constants	Automatic
Salinity	0.0 – 70.0 (acc. IOT)
TDS	0 – 1999 mg/l, 0 – 199.9 g/l
Temperature	-5.0° – 105.0°C
AutoRead	Automatic/Manual
Tref	20°C/25°C
Temp. Compensation	Non, nIF, 0.000 – 10.000%/K
Calibration Memory	Up to 10 calibrations

D.O. Measurement (Optical)

Concentration	0.00 – 20.00 mg/l
Saturation	0.0 – 200.0%
Partial Pressure	0 – 400.0 hPa
Temperature	0.0° – 50.0°C
AutoRead	Automatic/Manual
Calibration Memory	Up to 10 calibrations
Barometric Sensor	Built-in

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SENSOR SPECIFICATIONS

IDS pH sensors

	SenTix® 940	SenTix® 940-P	SenTix® 950	SenTix® 950-P	SenTix® 980	SenTix® 980-P	SenTix ORP-T 900	SenTix® ORP-T 900-P
pH Measurement Range	0.000 – 14.000 ±0.004							
mV Measurement Range	-1250.0 – +1250.0 (ALL 900 ORP-T)							
Temp. Range	0° – 80°C				0° – 100°C			
Ref. Electrolyte	Gel	Gel	KCl 3 mol/l	KCl 3 mol/l	KCl 3 mol/l	KCl 3 mol/l	KCl 3 mol/l	KCl 3 mol/l
Membrane Type	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cone	Cone	Cylindrical	Cylindrical
Junction	Fiber	Fiber	Ceramic	Ceramic	Platinum	Platinum	Ceramic	Ceramic
Shaft Dimensions	Length 120 mm Diameter 12 mm							
Temp. Accuracy	±0.1°C							
Cable Length	1.5, 3 m	1.5, 3, 6, 10, 15, 25, 40, 60, 100 m	1.5 m	1.5, 3, 6, 10, 15, 25, 40, 60, 100 m	1.5 m	1.5, 3, 6, 10, 15, 25, 40, 60, 100 m	1.5 m	1.5, 3, 6, 10, 15, 25, 40, 60, 100 m



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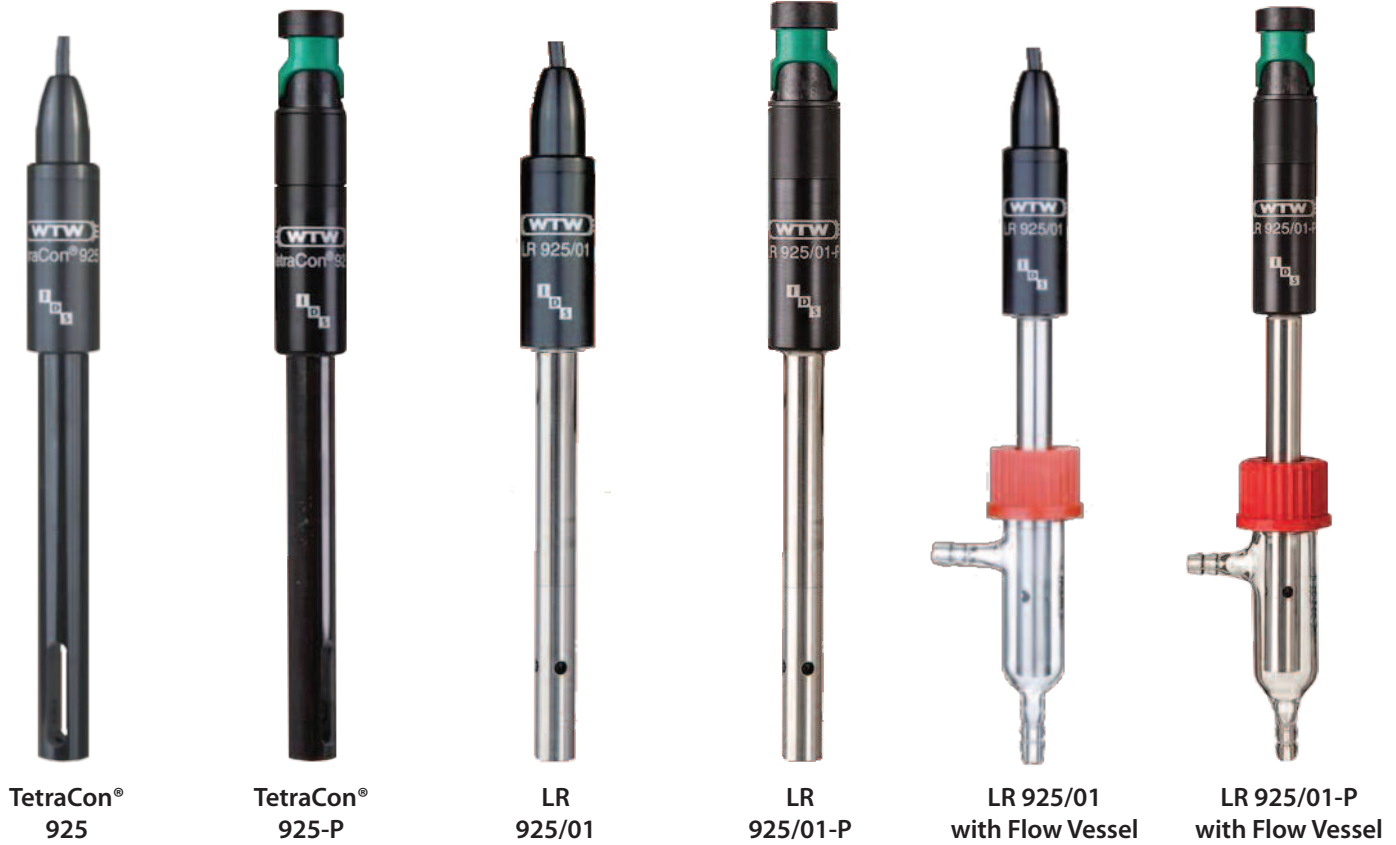
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SENSOR SPECIFICATIONS *Continued*

IDS Conductivity Cells

	TetraCon® 925	TetraCon® 925-P	LR 925/01	LR 925/01-P
Type	Four-electrodes	Four-electrodes	2-electrodes	2-electrodes
Conductivity	1 µS/cm – 2 S/cm ±0.5% of measured value	1 µS/cm – 2 S/cm ±0.5% of measured value	0.01 – 200 µS/cm ±0.5% of measured value	0.01 – 200 µS/cm ±0.5% of measured value
Salinity	0.0 – 70.0 ±0.5% of value	0.0 – 70.0 ±0.5% of value	–	–
TDS	0 – 1999 mg/l, 2.0 – 19.99 g/l, 20.0 – 199.9 g/l ±0.5% of value		–	–
Temperature	-5.0 – +100.0°C ±0.1°C			
Shaft Material	Epoxy		Stainless Steel	
Shaft Dimensions	Length 120 mm, Diameter 15.3 mm		Length 120 mm, Diameter 12 mm	
Cable Length	1.5 m, 3 m	1.5, 3, 6, 10, 15, 25, 40, 60, 100 m	1.5 mm	1.5, 3, 6, 10, 15, 20 m



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SENSOR SPECIFICATIONS *Continued*

IDS Optical D.O. Sensors

	FDO 925 & FDO 925-P
Measurement Ranges @ 20°C	0.00–20.00 mg/l D.O. ±1.5% accuracy of D.O.
Saturation @ 20°C	0.0 – 200.0% D.O. ±1.5% accuracy of D.O.
Partial Pressure @ 20°C	0.0 – 400 mbar D.O. ±1.5% accuracy of D.O.
Temperature	0 – 50.0°C ±0.2°C K precision
Membrane Type	Bevelled
Shaft Material	POM
Shaft Dimensions	Length 150 mm, Height 15.3 mm
Cable Length	1.5 m, 3 m



FDO 925



FDO 925-P

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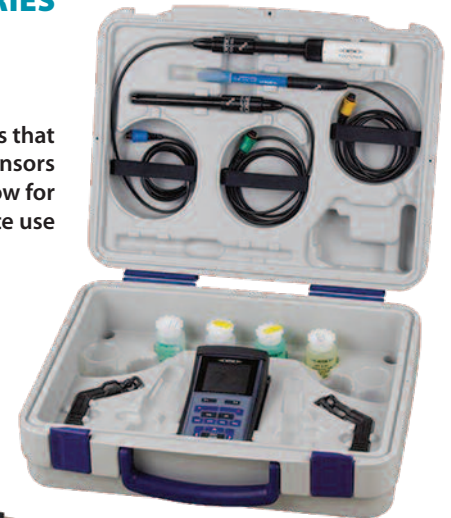
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ORDERING INFORMATION

Model	Description
Multi 3630 IDS	Professional wireless ready digital multi meter for portable field measurement, with triple channel input, color graphic display incl. data logger and USB interfaces. Single instrument in a case with buffer 4 and 7, 3 mol/l KCl, conductivity standard, short instruction manual, CD-ROM, rechargeable batteries, driver software for USB, cable and universal power supply.
Multi 3630 IDS SET F	As above, meter in large field case set with IDS sensors: digital pH electrodes SenTix® 940, digital conductivity cell TetraCon® 925, optical DO probe FDO® 925, QSC Kit, short instruction manual, stand, beaker, CD-ROM, driver software for USB, rechargeable batteries, cable, universal power supply, armoring SM Pro.
Multi 3620 IDS	Professional wireless ready digital multi meter for portable field measurement, with dual channel input, color graphic display incl. data logger and USB interfaces. Single instrument in case with buffer 4 and 7, 3 mol/l KCl, conductivity standard, short instruction manual, CD-ROM, rechargeable batteries, driver software for USB, cable and universal power supply.
Multi 3620 IDS SET C	As above, meter in case set with IDS sensors: digital pH electrode SenTix® 940, digital conductivity 4-electrode cell TetraCon® 925, QSC Kit, short instruction manual, stand, beaker, CD-ROM, driver software for USB, rechargeable batteries, cable, universal power supply, armoring SM Pro.
Multi 3510 IDS	Professional wireless ready multi-parameter handheld for IDS electrodes. With built-in data logger and USB interface. Meter in a case including buffer 4 and 7, 3 mol/l KCl, conductivity standard, short instruction manual, CD-ROM including software, batteries, USB cable.
Multi 3510 IDS SET 4	As above, meter in case set including FDO® 925 with short instruction manual, CD-ROM including software, batteries, USB cable.
IDS WLM Kit	Kit consisting of wireless module for sensor and meter (one of each), USB charger and universal USB power supply.
A 925-P/K	Armor for IDS field sensors including guard designed for TetraCon® 925-P, SensoLyt® 900-P, SensoLyt® ORP 900-P, FDO® 925-P, VisoTurb® 900-P, material: POM.
A 925-P/S	Armor for IDS field sensors including guard designed for TetraCon® 925-P, SensoLyt® 900-P, SensoLyt® ORP 900-P, FDO® 925-P. Guard: Stainless steel.
A pHLab/K	Plastic armoring for protecting pH and ORP electrodes with glass shaft in the field and in a plant.
D 3Sen	Flow-through vessel for up to three pH, ORP, D.O. or conductivity sensors (also IDS). With tube adapter for commercially available garden hoses inner diameter 19 mm (¾"). Including clamp also for mast mounting.
IDS WLM-S	Wireless module for plug head sensor
IDS WLM-M	Wireless module for IDS meter
WLM-Charger	USB charger for wireless modules
NT USB Universal	Universal USB power supply

ACCESSORIES

Case sets that include sensors allow for immediate use



IDS WLM KIT Includes USB Charger, Wireless Module, USB Power Supply



Optional A 925-P/K and A 925-P/S IDS field sensor armor



Optional D 3Sen Flow-through vessel for up to 3 sensors

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