MultiLine® IDS Portable Meters

PORTABLE MULTIPARAMETER MEASUREMENT OF pH, DISSOLVED OXYGEN, CONDUCTIVITY AND TURBIDITY

gem SCIENTIFIC

WTW
a xylem brand

Advantages by IDS

Intelligent, digital Sensors measure and combine measurement results with sensor data – no matter if operated by cable or wireless module. And perfectly fitting to them we developed the new MultiLine® IDS series for pH, ORP, dissolved oxygen, conductivity and turbidity.

MultiLine® IDS portable meters are robust and waterproof according IP 67. Depending on the model they have one or two USB interfaces and color displays.

Case sets including sensors allow immediate use

Useful **accessories** support versatile applications in the field.

pH

ORP

mV

D.O.

O_2

Partial pressure

Saturation

Concentration

BOD

Cond

Spec. resistance

Salinity

TDS

Turb

Turbidity

Temperature

INTELLIGENT
DIGITAL
SENSORS

I intelligent:

IDS sensors are smart. They log on automatically, transfer description, serial number, calibration record and calibration history as well as their complete parameters.

D digital:

IDS sensors process the sensitive signals into digital signals and transfer them fail-safe and error-free to the meter. No difference when using cable or wireless modules.

S sensor:

IDS Sensors are based on proven and continuously enhanced WTW sensors. They cover almost any application in pH, conductivity, dissolved oxygen and turbidity measurement.

MultiLine® IDS

Multi 36x0 IDS

Up-to-date data transfer

- 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

Economic power supply

- Rechargeable batteries for charging in the meter
- Stationary power supply with mains voltage or via USB

Convenient data sampling

- Perfect for long data series: memory for 10,000 automatic and 500 manual records

Multi 3630 IDS

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

Robust and reliable for the field

- Water and dustproof according IP 67
- Keypad of a piece – no gaps
- Easy to clean with a soft brush under a water jet

GLP supporting documentation

- Documentation of results, sensor and meter data
- User administration via MultiLab® User

Also for modern laboratory use

- Space saving and free moving space by optional wireless measurement

Multi 3510 IDS

Fast data transfer

- Water proof Mini USB-B interface for data transfer to PC

Secure power supply

- Reliable power supply in the field by alkaline manganese batteries
- Stationary power supply via USB

Multi 3620 IDS

Simultaneous measurement of two optional parameters

The Multi 3620 IDS with two 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 two galvanically isolated universal sensor inputs
- Simultaneous reading of up to two 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

Simply Multi 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

IDS sensors:

Distinctively unique and future-proof

The IDS sensors – intelligent, digital sensors – combine proven measurement technique with additional advantages. Based on proven electrochemical WTW sensors but equipped with advanced measurement electronics the IDS sensors distinctively store their serial number and calibration records for immediate operation. This allows the actual rating of electrode quality by the QSC (Quality Sensor Control) function. IDS sensors not only store their data but also process the measurement signal and thus enhance the quality of measured data.

The IDS sensors combine proven technology with new advantages

- Premium, enhanced sensor technology combined with most advanced measurement electronics
- IDS sensors store serial numbers and calibration history – ready 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

pH ORP FDO2 Cond Turbidity

IDS sensor (selection)	IDS plug head senor (selection)
pH electrodes	
SenTix® 940	SenTix® 940-P
SenTix® 950	SenTix® 950-P
SenTix® 980	SenTix® 980-P
SenTix® ORP-T 900	SenTix® ORP-T 900-P
Conductivity cells	
TetraCon® 925	TetraCon® 925-P
LR 925/01	LR 925/01-P
Optical D.O. sensors	
FDO® 925	FDO® 925-P

More IDS sensors for different applications can be found at **www.WTW.com**

Useful accessories

for portable measurement

All meters come in a carry case for immediate measurement. The sets contain additionally differing on their content the meter armor SM pro and sensors.

Furthermore WTW offers useful accessories for mobile measurement

Sensor armor:

A pHLab/K:

- Armor for pH electrodes with 120 mm glass shaft
- Reduces danger of breakage when measuring in field and process

A 925/K, A 925/S, A 925/K-P and A 925/S-P:

- Armor for field applications for pressure resistant IDS sensors
- Models for IDS sensors with and without plug head

D3 Sen:

- Perfect for pumping tests in the field
- For up to three conventional or IDS sensors
- With holder or pole mounting

IDS Wireless modules:

IDS WLM Kit:

- Wireless measurement of pH/ORP, conductivity, dissolved oxygen or tubidity
- Everywhere were cables are disturbing

Technical Data

MultiLine®	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
Data logger	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	IP 67		IP 67

** with MPP 930 IDS*

Ordering Information

Model	Description	Order No.
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.	2FD570
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.	2FD57F
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.	2FD560
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.	2FD56C
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.	2FD350
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.	2FD354
IDS WLM Kit	Kit consisting of wireless module for sensor and meter (one of each), USB charger and universal USB power supply	108144
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.	903839
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.	903840
A pHLab/K	Plastic armoring for protecting pH and ORP electrodes with glass shaft in the field and in a plant.	903841
D 3Sen	Flow-through vessel for up to three pH, ORP, D.O. or conductivity sensors (also IDS). With tube adapter for commercially availabe garden hoses inner diameter 19 mm (3/4"). Including clamp also for mast mounting.	903842

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