



MultiLine[®] IDS Portable Meters

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



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.

O₂
Partial pressure
Saturation
Concentration
BOD

Cond
Spec. resistance
Salinity
TDS

Turb
Turbidity
Temperature



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

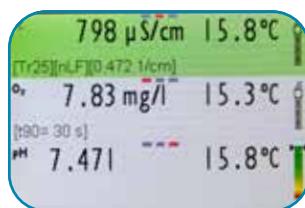
The allrounder for pH/ORP, conductivity, dissolved oxygen and turbidity

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



For informations on utilization as a control unit of our OxiTop®-IDS respiration measuring devices, please visit our website xylemanalytics.com



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 494 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



IDS sensor (selection)	IDS plug head sensor (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 accessories:

A pHLab/K armor:

- 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 armors:

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

D3 Sen Flow-through vessel:

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

Rugged cables with Kevla(R) reinforcement

- AS/IDS-x cable for plughead sensors, lengths between 1.5 and 100 m

IDS Wireless modules:

IDS WLM Kit:

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



Technical Data

MultiLine®	Multi 3630 IDS	Multi 3620 IDS	Multi 3510 IDS
Parameters	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	
Parameters: BOD, Degradation tests	●	●	○
Digital/IDS sensors	●	●	●
Universal measure- ment channels	3	2	1
Memory	Manual: 500 records Automatic: 10,000 records		Manual: 494 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 AA type alkaline 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 available garden hoses inner diameter 19 mm (3/4"). Including clamp also for mast mounting.	903842



inoLab[®] Multi IDS

MEASURE pH, ORP, ISE, DISSOLVED OXYGEN, CONDUCTIVITY, BOD AND TURBIDITY –
ACCURATE, COMPLIANT, SECURE



a xylem brand

IDS- Secure the Future

IDS

The IDS concept from WTW: Intelligent, digital sensors for standard parameters pH, conductivity, dissolved oxygen and turbidity. The IDS system is based on two components: digital sensors and corresponding field and benchtop meters. The outstanding innovation: The measurements are processed in the sensor, not in the meter. And in addition: As of now all IDS benchtop meters support wireless measurement

The advantage of IDS

- Processing of sensitive signals into fail safe digital data
- Calibration records are stored in the sensor - independently from any meter
- Sensors provide important data for documentation
- Wireless measurement with IDS wireless modules and the new IDS plug head sensors

Proven sensor technology – now available with plug head

IDS Sensors are based on proven and continuously enhanced WTW sensors of the SenTix®, TetraCon® and Sensolyt® series and cover with a plus of precision and reliability almost any application. This applies also to the new plug head sensors.

NEW

Free and connected – IDS goes wireless

New and unique wireless modules are responsible for secure, easy and reliable data transfer between plug head sensors and meter. Without cumbersome cables!





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.



Securely traceable ...

... with the powerful inoLab® Multi 9630, 9620 IDS.

The inoLab® Multi 9630 IDS and inoLab® Multi 9620 IDS are wireless ready high performance digital 3 or 2 channel benchtop meters. They have glass protected bright color display, a high-class zinc diecast lower housing and an anti-bacterial keypad. They allow the simultaneous measurement and documentation of up to two or three user-defined parameters.

inoLab® Multi 9630 IDS

- Three universal measurement channels
- Digital sensor recognition
- Wireless ready



inoLab® Multi 9620 IDS

- Two universal measurement channels
- Digital sensor recognition
- Wireless ready





Flexible and high performance

- Measures pH, ORP, ISE, dissolved oxygen, conductivity and turbidity
- User-defined combinations of equal or different parameters
- Color graphic display with CMC, QSC and channel indicator
- Optional adapter solution for conventional pH electrodes
- Memory for 10,000 records

Digital Sensor Recognition



Secure Measurement

- Digital signal transfer eliminates electromagnetic interferences, allocates correct calibration data and provides sensor data
- The intelligent sensor rating QSC shows visually the actual condition of a pH electrode and increases operational reliability
- Secure wireless connection by clear allocation of meter and sensors

Ready for wireless measurement



Documentation

- Automatic digital recording of all sensor data for unique traceability of all values
- Optional user administration for access control and documentation
- Data output on PC, USB memory stick or selected printers

Securely traceable ...

... with the innovative inoLab® Multi 9310 IDS.

The inoLab® Multi 9310 IDS with its single digital input is an outstanding introduction to digital multiparameter measurement with digital IDS electrodes. The IDS technology provides the easiest way to perfect measurements and efficient documentation. The inoLab® Multi 9310 IDS is wireless ready.



inoLab® Multi 9310 IDS

- Single channel multi-parameter for IDS sensors
- Digital sensor recognition
- Optional built-in printer



Documentation according to GLP/AQA

- Automatic digital recording of sensor data for definite traceability of all values
- Optional user administration for access control and documentation
- Transfer of all data as .csv format via USB interface to a PC, Excel add-in for formatted input into spreadsheet (Included in delivery or as download)
- Output via optional built-in printer
- Wireless ready

IDS sensors:



Distinctively unique

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. IDS sensors not only store their data but also process the measurement signal and thus enhance the quality of measured data. This allows the actual rating of electrode quality by the QSC (Quality Sensor Control) function.

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

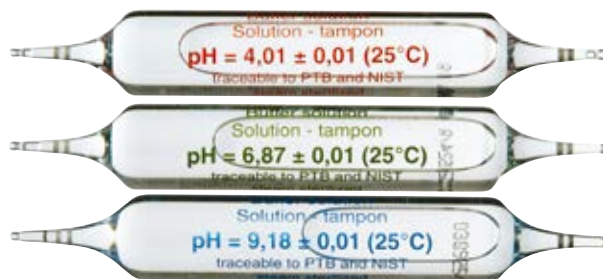


IDS sensor (selection)	IDS plug head sensor (selection)
pH electrodes	
SenTix® 940	SenTix® 940-P
SenTix® 950	SenTix® 950-P
SenTix® 980	SenTix® 980-P
SenTix® ORP-T 900	SenTix® ORP-T 900-P
Conductivity cells	
TetraCon® 925	TetraCon® 925-P
LR 925/01	LR 925/01-P
Optical D.O. sensors	
FDO 925	FDO 925-P

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

Accessory for IDS pH electrodes

Precision buffers allow a clear evaluation of electrode quality during their life time.



Technical data

	inoLab® Multi 9310 IDS	inoLab® Multi 9620 IDS	inoLab® Multi 9630 IDS
Parameters	pH, mV, D.O.(saturation, concentration, partial pressure, BOD), conductivity (specific resistance, salinity, TDS), temperature, turbidity		
Digital/IDS sensor	●	●	●
Sensor channels	1 universal channel	2 universal channels	3 universal channels
Analog pH/ORP sensors	ADA S7/IDS (optional)	ADA 94 pH/IDS (optional)	
Temp. compensation	all except ORP	all except ORP	
Calibration points	pH 1-5 ISE - D.O. 1 Conductivity 1 Turbidity 3	1-5 2-7, adapter required 1 1 3	
Calibration memory	max. 10	max. 10	
Calibration timer	1 - 999 days	1 - 999 days	
Memory	manual: 494 data sets automatic: 4,500 data sets	manual: 500 data sets automatic: 10,000 data sets	
Logger	●	●	
Interface	Mini USB-B	USB-A, Mini USB-B	
GLP/AQS support	●	●	
Display	black and white graphic display	color graphic display	
Optional printer	yes	external	
Others	CMC, QSC	anti-bacterial keyboard, QSC, CMC	
Power supply	universal power supply, batteries (4 x 1.5 V AA type)	universal power supply	

Ordering Information

Model	Description	Order No.
inoLab® Multi 9310	Digital multiparameter benchtop meter for IDS sensors, for measurements/documentation according GLP/AQA. With single channel input for pH/mV, dissolved oxygen and conductivity. Single instrument with universal power supply, stand and operation manual, software and USB cable.	1FD350
inoLab® Multi 9310P	Same as above, but with integrated thermal printer.	1FD350P
inoLab® Multi 9620	Professional digital multiparameter benchtop meter for IDS sensors, for measurements/documentation according GLP/AQA. With dual channel input for pH/mV, dissolved oxygen and conductivity. Single instrument with universal power supply, stand and operation manual, software and USB cable.	1FD560
inoLab® Multi 9620 SET C	Same as above, in set with IDS sensors: digital IDS pH electrode SenTix® 980, buffer 4, 7 and 10.01, 3 mol/l KCl, digital IDS conductivity cell TetraCon® 925, 0.01 mol/l KCl, conductivity standard.	1FD56C
inoLab® Multi 9630	Professional digital multiparameter benchtop meter for IDS sensors, for measurements/documentation according GLP/AQA. With triple channel input for pH/mV, dissolved oxygen and conductivity. Single instrument with universal power supply, stand and operation manual, software and USB cable.	1FD570
inoLab® Multi 9630 SET K	Same as above, in set with IDS sensors: digital IDS pH electrode SenTix® 980, buffer 4, 7 and 10.01, 3 mol/l KCl, optical IDS D.O. sensor FDO 925, digital IDS cond cell TetraCon® 925, 0.01 mol/l KCl, cond standard.	1FD57K
ADA 94pH/IDS DIN	pH/mV module for inoLab® Multi 9620/9630 IDS for pH/ORP/ISE electrodes with DIN- and 4 mm banana plug. Including mounting accessories.	108 131
ADA 94pH/IDS BNC	pH/mV module for inoLab® Multi 9620/9630 IDS for pH/ORP/ISE electrodes with BNC- and 4 mm banana plug. Including mounting accessories.	108 132
QSC-Kit	Set for initial pH calibration.	109 830
IDS WLM Kit	Kit consisting of wireless module for sensor and meter (one of each), USB charger and universal USB power supply	108 144
SenTix® 980-P	IDS pH combination electrode with liquid electrolyte (3 mol/l KCl), glass shaft and integrated temperature sensor. QSC function. Electrode with plug head for AS IDS/1.5 cable or wireless module.	103 762
TetraCon® 925-P	4-electrodes conductivity with graphite electrodes, epoxy shaft, cell constant 0.475 1/cm. Electrode with waterproof plug head for connection to a MPP IDS or AS/IDS-x	301716
LR 925/01-P	2-electrode-IDS conductivity cell with stainless steel electrodes, for ultrapure water, cell constant 0.1 cm-1, with plug head, glass flow trough vessel.	301 722
FDO 925-P	Optical IDS dissolved oxygen sensor for field and lab applications with fast responding beveled membrane, pressure resistant up to 10 bars. Electrode with waterproof plug head for connection to a MPP IDS, AS/IDS-x, or wireless module	201 306