inoLab® Multi IDS

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

WTW
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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!

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.

For more detailed information please visit our website:
www.WTW.com/en/ids-wireless
(For convenience use our QR code).

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 turbidiy
- 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

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

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

Digital Sensor Recognition

Ready for wireless measurement

For more detailed information please visit our website: **www.WTW.com/en/inolab-ids**

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 spread sheet (Included in delivery or as download)
- Output via optional built-in printer
- Wireless ready

For more detailed information please visit our website: **www.WTW.com/en/inolab-ids**

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

pH

ORP

FDO

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**

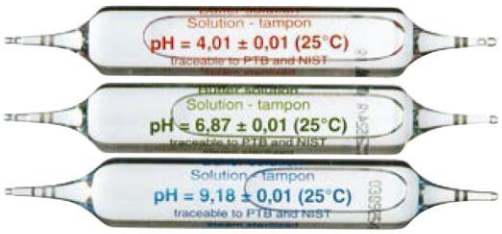
For more detailed information please visit our website:

www.WTW.com/en/ids-sensors

www.WTW.com/en/plug-head-sensors

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	1–5	
ISE	–	2–7, adapter required	
D.O.	1	1	
Conductivity	1	1	
Turbidity	3	3	
Calibration memory	max. 10	max. 10	
Calibration timer	1 – 999 days	1 – 999 days	
Memory	manual: 500 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

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