

## Portable Multi-parameter Instruments

Multi-parameter portable meters are precise measuring instruments for mobile applications in the field and operation where more than just one parameter has to be measured. They are available in the versions for intelligent digital IDS sensors but also for operation with conventional electrodes. The advantage is not limited to the solid design, covering the functions of up to three conventional meters, it is also the convincing excellent cost/performance ratio. All meters are available in functional sets with sensors and accessories for immediate operation.

# MultiLine®



### MultiLine® IDS Digital multi-parameter portable meters

The intelligent digital sensors give new opportunities for multi-parameters measurements. The measuring signal is not processed in the instrument, it is generated directly in the sensor and transmitted to the meter with additional information. For documentation purposes and traceability, all measuring values are completed with instrument and sensor data; on demand also with user information. The digital signal transmission for pH measurements with IDS pH sensors enables an error-free usage of long cables.



#### Quality at a Glance

##### Housing

MultiLine® instruments feature a waterproof housing and are equipped with rubber armor in all sets. The silicon mat keypad is also fully waterproof, and the large keys, with defined pressure points, ensure reliable operation, even while wearing gloves and in rough conditions.

##### Display

The brilliant, high-resolution graphic display guarantees excellent readability under adverse lighting conditions. The color coding icons on the display clearly differentiate the parameters being measured simultaneously. Important maintenance and measuring functions are excellently visualized.



### Connector jack panel

All MultiLine® connector panels are injection molded and fully waterproof, including the two USB interfaces. The Mini-USB interface is used to transmit data to a PC or to update the firmware. The devices also have a USB-A interface that enables data to be transmitted directly to a USB stick or a selected printer without needing a PC.

The waterproof, color coded connector jacks with locking system are simple and secure. Color coding is clearly visible on the display and directly correlates with the sensor connected. The locking system ensures proper electrode connection.



### One – Two – Three ...

Measure every parameter sequentially or simultaneously:

### Three ...

... with the Multi 3430

Three galvanically isolated measuring channels, user defined combination of one parameter or varying parameters. Simultaneous multi-measuring without compromises.

### Multi 3430

- Three universal measuring channels
- Clearly structured display
- Simultaneous recording of all measuring values



Parameter

Multi-parameter

pH

ORP

ISE

Dissolved Oxygen (D.O.)

Conductivity

Data logger/flow + level

BOD/Respiration

Photometers

Turbidity

Colony Counter

Software/Printers



## Two...

### ... with the Multi 3420

Two galvanically isolated measuring channels, user defined combination of one parameter or varying parameters. Economic multi-parameter instrument for many applications where two parameters have to be simultaneously measured and / or stored.

### Multi 3420

- Two universal measuring channels
- Clearly structured display
- Simultaneous recording of all measuring values

## One...

### ... with the Multi 3410

One measuring channel for different parameters: for measuring mainly one parameter, but with occasional need to measure a second or third parameter.

### Multi 3410

- One universal measuring channel
- Large display giving additional information
- Sensor exchange made easy

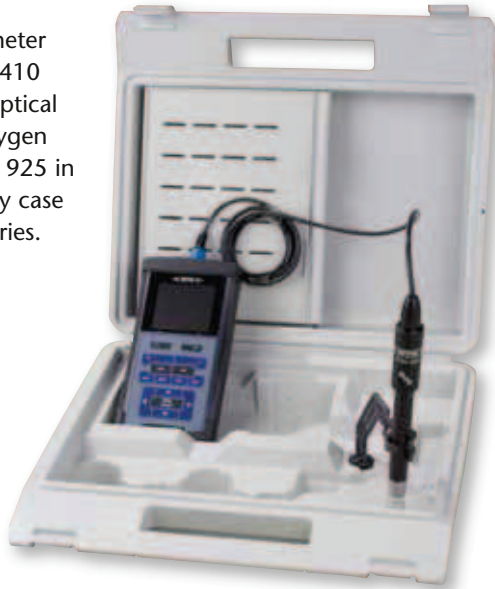


## Immediately ready to measure...

... with a single parameter set Multi 3410 SET 4 and the Multi 3430 SET F

Immediately ready to measure: MultiLine® sets for measuring on location. Depending on the number of sensors, sets come complete with the meters and accessories conveniently packaged in a carry case.

Single parameter set – Multi 3410 SET 4 with optical dissolved oxygen sensor FDO® 925 in a handy carry case with accessories.



Multi 3430 SET F with IDS pH sensor SenTix® 940, optical dissolved oxygen sensor FDO® 925, IDS conductivity cell TetraCon® 925 in field case with accessories.



### General Features

Model	MultiLine® $\mu_{b}$
Data storage	manual: 500 data sets/ automatic: 10.000 data sets
Data logger	manual/time scheduled
Interface	USB-A and Mini USB
Power supply	unit with charge function or 4 x 1.2 V NiMH battery pack

### Ordering Information

MultiLine® $\mu_{b}$		Order No.
Multi 3410	Professional digital multi meter for portable field measurement, with single channel input, color graphic display incl. data logger and USB interfaces. Single instrument with short instruction manual, CD-ROM, rechargeable batteries, driver software for USB, cable and universal power supply.	2FD450
Multi 3410 SET 4	Same as 2FD450, but in multi case set with optical DO probe FDO® 925, stand, beaker and accessories.	2FD454
Multi 3410 SET C	Same as 2FD450, but in multi case set with IDS sensors: digital pH electrode SenTix® 940, digital conductivity 4-electrode cell TetraCon® 925, QSC Kit, stand, beaker and accessories.	2FD45C
Multi 3420	Professional digital multi meter for portable field measurement, with dual channel input, color graphic display incl. data logger and USB interfaces. Single instrument with short instruction manual, CD-ROM, rechargeable batteries, driver software for USB, cable and universal power supply.	2FD460
Multi 3420 SET C	Same as 2FD460, but in multi case set with IDS sensors: digital pH electrode SenTix® 940, digital conductivity 4-electrode cell TetraCon® 925, QSC Kit, stand, beaker and accessories.	2FD46C
Multi 3430	Professional digital multi meter for portable field measurement, with triple channel input, color graphic display incl. data logger and USB interfaces. Single instrument with short instruction manual, CD-ROM and rechargeable batteries, driver software for USB, cable and universal power supply.	2FD470
Multi 3430 SET F	Same as 2FD470, but in multi case set with IDS sensors: digital pH electrodes SenTix® 940, digital conductivity cell TetraCon® 925, optical DO probe FDO® 925, QSC Kit, stand, beaker and accessories.	2FD47F
Multi 3430 SET G	Same as 2FD470, but in multi case set with IDS sensors: digital pH electrode SenTix® 940-3, digital conductivity cell TetraCon® 925-3, optical DO probe FDO® 925-3, QSC Kit, stand, beaker and accessories.	2FD47G

IP 67



cETLus

3 Year Warranty

Parameter

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pH

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ISE

Dissolved Oxygen (D.O.)

Conductivity

Data logger/  
flow + levelBOD/  
Respiration

Photometers

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Software/  
Printers