HandyLab 7xx

THE NEW MOBILE MEASURING DEVICES FROM SI ANALYTICS WITH MEMOSENS®
OFFERS INCREASED SAFETY AND A USER-FRIENDLY INTERFACE

HandyLab 700/750/750EX/780

Selection Table

HandyLab	700	750	750EX	780
Memosens® pH and ORP (Redox)	X	X	X	X
Memosens® conductivity				X
Memosens® oxygen				X
Analog pH and ORP (Redox)	X	X	X	X
Temperature	X	X	X	X
Ex-Zone 0/1			X	
HandyLab Pilot Software Interface		X	X	X
Micro USB-B		X	X	X
Datalogger (values)		5,000	5,000	10,000
Li-Ion rechargeable batteries		X		X
Display	LCD-Segment	LCD-Segment	LCD-Segment	QVGA-TFT color graphic
Multi-language				X
Help Function				X

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HandyLab 700/750/750EX/780

Memosens® benefits:

- Inductive electrical connection assures disturbance-free data transfer.
- Galvanically isolated
- Resistant against outside influences
- Calibration data stored in the sensor head
- High reliability
- Digital communication eliminates external interference and assures that calibration data is assigned to the correct sensor.
- Predictive maintenance
  Sensor age and wear are monitored so that future performance can be predicted.
- Submersible due to hermetically sealed sensor head
- Memosens® is an open-architecture digital protocol that is supported by several manufacturers as their standard.

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Memosens®

Resistant against:

- Moisture
- Corrosion
- Salt bridges
- Connecting problems
- Bad galvanic isolation

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HandyLab 700/750/750EX/780

For increased safety and a user-friendly interface:

- The benefits of the digital Memosens®-Technology, the most secure measurement and maximum ease of use in the laboratory, pilot plant, and process.
- Robust and chemical resistant housing.
- Drop-tested and certified from a height of 1 meter.
- Both Memosens® and analog sensors can be connected.
- IP 67 / IP 66 rated

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Rugged design

- Integrated cover
  - with operating instructions attached
- unbreakable
- Multiple mounting configurations
- Scratch-free mineral glass display

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Quick-change artist

- By flipping over the cover and attaching it to the hook, the HandyLab turns into a bench-top meter.

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Multiple mounting configurations

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Multiple mounting configurations.

- The integrated hook allows the HandyLab to be hung up in the field.

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For connection of Memosens® Electrodes

MEMO SENS

- For analog and Memosens® Electrodes
- The integrated and detachable sensor holder provides protection from damage.

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Micro USB-B		X	X	X
Datalogger (values)		5.000	5.000	10.000
Li-Ion rechargeable batteries		X		X
Display	LCD-Segment	LCD-Segment	LCD-Segment	QVGA-TFT color graphic
Multi-language				X
Help Function				X

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HandyLab 700

The basic Memosens mobile measurement device:
• high contrast + scratch resistant Glass-LCD-Display
• Plain text line for intuitive operation
• Sensoface: sensor status at a glance
• Automatic calibration up to 3 points
• Manual calibration with adjustable buffer values
• real time clock and battery status display
• More than 1,000 hours of operation using standard batteries (4XAA)

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HandyLab 750

Mobile Memosens measuring device with data storage and USB interface:
- Data storage up to 5,000 points
- Micro-USB-connector
- Compatible with HandyLab Pilot software for data analysis and sensor management.
- High contrast + scratch resistant Glass-LCD-Display
- Plain text line for intuitive operation
- Sensoface: sensor status at a glance
- Automatic calibration up to 3 points
- Manual calibration with adjustable buffer values
- Real time clock and battery status display
- Optional rechargeable battery pack. Recharged when connected via USB.

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HandyLab 750 EX

Mobile Memosens measuring device with data storage and USB interface for use in explosion-proof areas:

- ATEX Zone 0/1
- Data logger for up to 5,000 points
- Micro-USB-connector
- Compatible with HandyLab Pilot software for data analysis and sensor management.
- High contrast + scratch resistant Glass-LCD-Display
- Plain text line for intuitive operation
- Sensoface: sensor status at a glance
- Automatic calibration up to 3 points
- Manual calibration with adjustable buffer values
- Real time clock and battery status display
- Optional rechargeable battery pack. Recharged when connected via USB.

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HandyLab 780

Portable multi-parameter Memosens®-World with storage and USB interface :
•For Memosens®-Sensors measuring pH, conductivity, and dissolved oxygen.
•Automatic recognition of the measured parameter with Memosens®
•Automatic compensation for the ambient pressure for the oxygen measurement
•Data logger with 10.000 points
•Micro-USB-connector for communication with the software HandyLab Pilot for data management and administration of digital Memosens®-Sensors
•Intuitive navigation with detailed information and help functions
•Sensoface: Sensor condition at a glance
•Automatic calibration up to 3 points
• Manual calibration with adjustable buffer values
• real time clock and battery status display
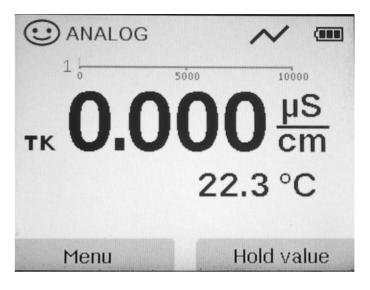• More than 1,000 hours of operation using standard batteries (4XAA)

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HandyLab 780

- TFT display

SI Analytics
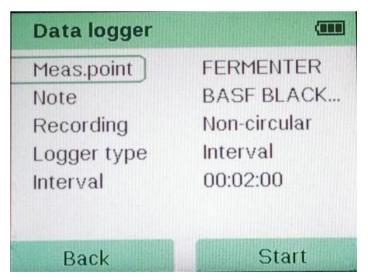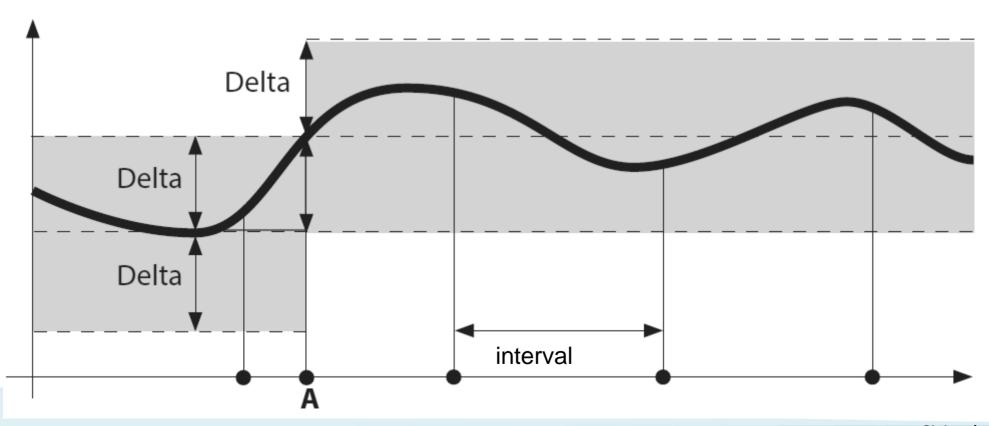a xylem brand

HandyLab 780

Intelligent data logging
- Display of free storage
- Identification and indication of the measuring point
- User identification and notices for each data set.
- Filter and comparison of data sets

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HandyLab 780

Intelligent data logging

- Combines logging with interval and delta
- pH and temperature

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Communication with HandyLab Pilot

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Communication with HandyLab Pilot

HandyLab Pilot connects your PC to the Memosens®
world:

- Windows user interface for intuitive handling.
- Automatic connection of the software to your
  instruments when connected to a PC.
- Automatic recognition of the measuring device
- When connecting to multiple instruments, simply select
  from the displayed list.
- Easy administration and analysis of measured data.

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communication with HandyLab Pilot

HandyLab Pilot connects your PC to the Memosens world:
- Store and transfer sensor data
- Configuration of max and min borders for the measured parameter.
- Adjustment of differential values.
- Allows for manual input of buffer sets
- Display of device and sensor information (for pH as sensor network diagram)
- Storage of data as a CSV file or export to Excel
- Print report

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