



Meters and Electrodes

pH, ISE, COND AND O₂ | PRECISE - RELIABLE - SELECTIVE
IN LAB AND FIELD

SI Analytics
a **xylem** brand

1.2 HandyLab MKII

Our 2nd generation of Handylab devices offers analog or digital options for the measurement of pH, ORP, dissolved oxygen and conductivity in the lab and in the field.

While our Handylab 100 pH and Handylab 200 Cond offer a single traditional analog channel, our IDS series Handylab 600 and 680 devices take full advantage of our new digital technologies. The digital HandyLab 600 concentrates on the pH measurement as a one-channel device, whereas the HandyLab 680 allows you to measure any two parameters simultaneously; pH, ORP, conductivity or oxygen. IDS stands for "intelligent, digital sensors" and means that the analog measuring signal is converted into a digital measuring value in the sensor. This protects the signal from external interferences, such as moisture, electro-magnetic fields or pulses. The higher measuring accuracy raises confidence in your readings to a whole new level. IDS sensors send their type designation and serial number, i.e. they identify themselves to the meter automatically. This information is always part of the documentation. Calibration values are stored in the IDS sensor and transferred to the measuring device avoiding unnecessary recalibration as would be needed for traditional analog devices. Especially with field devices, the increased comfort is considerable as the IDS sensors can be calibrated in the laboratory under optimal conditions and simply need to be connected in the field.



- The advanced speed and precision of our benchtops in a portable and durable design.
- Specifically designed for mobile use
 - Handy, battery-operated
 - Keypad made from a continuous silicone mat and therefore waterproof with noticeable key click, even when used with gloves.
- P67
- Reproducible results due to active automatic AutoRead function with independent detection of stable measuring values.
- CMC (Continuous Measurement Control) makes sure that the pH measuring values and the calibration area remain in sight and that the measurement is conducted in the optimal range.
- Generous data storage in all devices.
- Backlit graphics display in all versions.
- A case for the safe storage and transport is always included with these devices.

Benefits HandyLab MKII



Selection chart

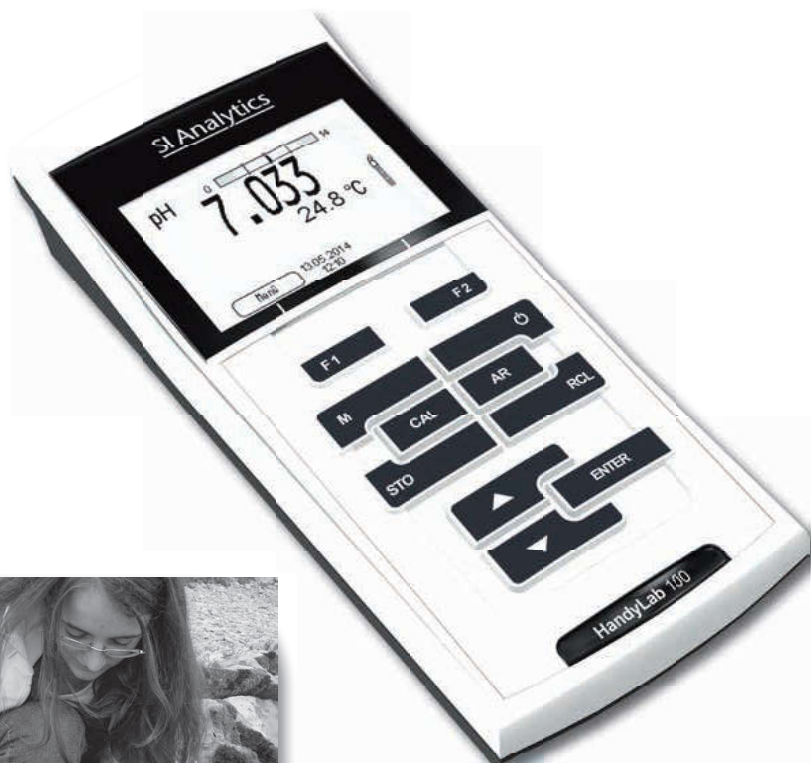
HandyLab	100	200	600	680
Analog	■	■		
IDS (Intelligent Digital Sensor)			■	■
One channel	■	■	■	
Two channel				■
pH/ORP	■		■	■
Temperature	■	■	■	■
Conductivity		■		■
DO				■
CMC-Function	■		■	■
1- to 5-point calibration with 22 stored buffer sets	■		■	■
QSC intelligent sensor evaluation			■	■
User administration				■
Autoread	■	■	■	■
Data memory	■	■	■	■
Interface Mini USB-B			■	■
Interface USB-A				■
Info display	■	■	■	■
Backlit B/W graphical display	■	■	■	
Backlit colored graphical display				■
Battery (Typ AA)	■	■	■	
Rechargeable AA from included power supply.				■
Watertight housing and keypad (built of one piece of silicone mat)	■	■	■	■
IP67 certified	■	■	■	■

1.2.1 HandyLab 100

The portable allrounder for pH/mV measurements

The HandyLab 100 increases the measuring speed and accuracy thanks to the AutoRead and the CMC function. AutoRead displays when the measuring value is stable and eliminates the risk of a premature reading of the faulty measuring value. CMC (Continuous Measurement Control) visualizes whether the measuring value is still within the calibration limits. Having storage capacity for up to 200 data sets, stored data can be viewed.

The HandyLab 100 is ready for 1- to 5-point calibrations and offers 22 pre-stored buffer sets



Technical data

Measuring range/ resolution/ accuracy (all values +/-1 digit)	pH	-2.0 ... 20.0 +/-0.1 pH
		-2.00 ... 20.00 +/-0.01 pH
		-2.000 ... 19.999 +/-0.005 pH
	mV	+/- 1200.0 mV +/- 0.3 mV
		+/- 2500 +/-1 mV
	Temperature	-5.0 ... 105.0 °C +/- 0.1 °C
Calibration	Calibration points	1-, 2-, 3-, 4-, 5-Points
	Stored buffers	22 preloaded buffer sets
	Calibration memory	Latest calibration
Handling	AutoRead	Automatic/manual
	Celsius/Fahrenheit	Yes
	CMC	Yes
	Display	LCD B/W Graphic backlit
	Data memory	Manual 200 data sets
	Logger	Manual
	Power supply	4 x 1.5 V AA or 4 x 1.2 V NiMH rechargeable battery
	Continuous operating time	Up to 1000 h without/ 150 h with lighting
	Sensor connector	Waterproof DIN/ 4 mm banana
	Waterproof	IP67



- Designed for mobile use.
- Reproducible results due to active automatic AutoRead function.
- CMC function to visualize the optimal measuring range.
- 1 to 5 point calibration with 22 stored buffer sets.
- Data storage with output on display.
- Backlit graphic display with clear text menu.

Benefits
HandyLab 100