

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 pH is precise, robust and easy to use.



Technical specifications

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/ 4mm banana
	Waterproof	IP67 (including battery compartment, USB ports and channels)



- ▶ Waterproof IP67
- ▶ 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

Advantages
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HandyLab MKII - Order information

Type Number	Order No.	Short Description	Detailed description
HL100Field	285204510	PH-METER Set HandyLab 100 Field	pH-Meter Set HandyLab 100 with pH-combination electrode BlueLine 24 pH and protective armoring Z389 for field applications *
HL100Routine	285204500	PH-METER Set HandyLab 100 Routine	pH-Meter Set HandyLab 100 with pH-combination electrode BlueLine 14 pH for routine applications *
HL100Versatile	285204520	PH-METER Set HandyLab 100 Versatile	pH-Meter Set HandyLab 100 with pH-combination electrode A7780-NTC30-DIN-N for versatile applications *
HL200PureWater	285204550	COND-METER HandyLab 200 Pure Water	Cond-meter set HandyLab 200 with conductivity cell LF313T for measurements in purified water *
HL200Routine	285204530	COND-METER HandyLab 200 Routine	Cond-meter set HandyLab 200 with conductivity cell LF613T for routine applications *
HL200Versatile	285204540	COND-METER HandyLab 200 Versatile	Cond-meter set HandyLab 200 with conductivity cell LF413T for versatile applications *
HL600Field	285204570	PH-METER Set HandyLab 600 Field	pH-Meter Set HandyLab 600 with pH-combination electrode BlueLine 24 pH IDS for field applications *
HL600Food	285204630	PH-METER Set HandyLab 600 Food	pH-Meter Set HandyLab 600 with pH-combination electrode with armoring BlueLine 21 pH IDS for cut-in measurements in food applications *
HL600LifeScience	285204600	PH-METER Set HandyLab 600 Life Science	pH-Meter Set HandyLab 600 with pH-combination electrode A157 IDS for life science applications *
HL600Routine	285204560	PH-Meter Set HandyLab 600 Routine	pH-Meter Set HandyLab 600 with pH-combination electrode BlueLine 14 pH IDS for routine applications *
HL600Science	285204590	PH-METER Set HandyLab 600 Science	pH-Meter Set HandyLab 600 with pH-combination electrode A162 IDS for demanding applications *
HL600Surface	285204610	PH-METER Set HandyLab 600 Surface	pH-Meter Set HandyLab 600 with pH-combination electrode BlueLine 27 pH IDS for measurement on surfaces *
HL600Tip	285204620	PH-METER Set HandyLab 600 Tip	pH-Meter Set HandyLab 600 with pH-combination electrode A6880 IDS for cut-in measurements *
HL600Tris	285204640	PH-METER Set HandyLab 600 Tris	pH-Meter Set HandyLab 600 with pH-combination electrode IL-pHT-A170MF-IDS for measurement in tris puffer *
HL600TrisMicro	285204650	PH-METER Set HandyLab 600 Tris Micro	pH-Meter Set HandyLab 600 with pH-combination electrode IL-Micro-pHT-IDS for measurement in tris puffer with smaller sample volume *
HL600Versatile	285204580	PH-METER Set HandyLab 600 Versatile	pH-Meter Set HandyLab 600 with pH-combination electrode A7780 IDS for versatile applications *
HL680 CondVersatile	285204760	Cond-METER Set HandyLab 680 Versatile	Cond-meter set HandyLab 680 with conductivity cell LF413T IDS and Z389 armoring for versatile applications *
HL680OxVersatile	285204770	OX-METER Set HandyLab 680 Versatile	OX-meter set HandyLab 680 with oxygen measuring cell FDO1100 IDS and Z389 armoring for versatile applications *