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WxDxH (mm)	95x227x52
Weight (kg)	0,525
Compliance	IP 67 according to DIN EN 60529

Description	Pk	Cat. No.
Handheld pH/mV/°C meter HI 98183	1	662-3021
Handheld pH/mV/°C/ion meter HI 98184 (2-point ISE calibration)	1	665-0182
Handheld pH/mV/°C/ion meter HI 98185 (5-point ISE calibration)	1	665-0183

Description	Material	Electrolyte	Diaphr.	Connection	For	Pk	Cat. No.
pH electrodes							
pH electrode HI 72911B, with integrated temperature sensor	Titanium	Polymer	PTFE	BNC + phono, 1 m cable	Cooling towers and boilers	1	620-1609



pH/mV/°C meter, bench, pHenomenal® pH 1100L



This user friendly instrument with articulated electrode stand and IP 43 rated housing provides high resolution and accuracy for precise measurements. With USB output for connection to a computer. GLP compliant.

- Large LCD graphic display with continuous LED backlight showing both pH/mV and temperature value simultaneously
- Data logging function selectable between 1 minute and 1 hour; memory capacity of 5000 data sets
- Automatic power shut-off: Adjustable from 10 min to 24 h
- Automatic buffer recognition of DIN and NIST buffers (1,68 / 4,00 / 6,86 / 9,18 / 12,54)
- Three additional technical buffers at 25 °C (4,00 / 7,00 / 10,00) in memory
- Advanced self-test and diagnostics (electrode efficiency diagnostic, drift control); calibration symbol shows when recalibration is required
- Choice of mains supply or 4x AA batteries for over 1000 operating hours

Ordering information: Ready to use pH 1100L set includes instrument, pH glass electrode with built-in temperature sensor 221, 1 m cable and articulated stand, two buffers, plastic beaker and instruction manual (22 languages) on CD ROM.

Model	pH 1100L
pH - range	-2,000...+20,000
pH - resolution	0,1 / 0,01 / 0,001 (selectable)
pH - accuracy	±0,1 / ±0,01 / ±0,001
pH - calibration	Up to 5 points
Automatic buffer recognition	BDH Prolabo® TITRINORM® buffers at 25 °C: 4,00/6,98/9,94 NIST/DIN 19266 (1,68/4,00/6,86/9,18/12,54) Technical buffers at 25 °C: 4,00/7,00/10,00
mV - range	±1200,0 / ±2500
mV - resolution	0,1 / 1 (selectable)
mV - accuracy	±0,3 / ±1
Temperature range (°C)	Auto: -5,0...+105,0; manual: -25...+130
Temperature resolution (°C)	0,1 / 1
Temperature accuracy (°C)	±0,2
Temperature compensation	Auto/manual
Data logging - capacity	5000 data sets
Data logging - log function	Selectable between 1 minute and 1 hour
Display	LCD graphical display with LED backlight
Connections	BNC for pH / banana for temperature
Outputs	USB connection (slave, bidirectional)
Power supply	Mains or 4x AA batteries
Compliance	IP 43 / GLP

Description	Pk	Cat. No.
Bench pH/mV/°C meter pH 1100L, pHenomenal®	1 SET	662-1657

Description	Material	Electrolyte	ØxL (mm)	Diaphr.	Connection	Pk	Cat. No.
pH electrode, pHenomenal®							
pHenomenal® 221 pH electrode, with temperature sensor	Glass	Refillable	12x120	Ceramic	BNC, 1 m cable	1	662-1161
pHenomenal® LS 221 (Tris) pH electrode, with temperature sensor	Glass	KCl 3 mol/l, refillable	12x120	Platinum	BNC, 1 m cable	1	662-1247
Accessories							
pHenomenal® electrode storage tube						1	662-1167
pHenomenal® storage/measuring vessel						1	662-1248
pHenomenal® compact survival kit (incl. electrode storage tube, 4 slots for storage of pH buffer, cleaning solution, etc., and 1 slot for a dropper bottle)						1	662-1166
pHenomenal® communication kit (CD-ROM, USB cable, manual)						1	662-1225
pHenomenal® electrode stand, holds up to 4 electrodes + 1 temperature sensor						1	662-1169
Electrolyte KCl 3 mol/l						100 ml	83605.180
Cleaning solution pepsin/hydrochloric acid						100 ml	83603.180

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