



pH/mV/°C meter, handheld, pHenomenal® pH 1100 H



This user friendly portable instrument with robust IP 67 rated housing provides high resolution and accuracy for precise measurements in field applications. With waterproof USB output for connection to a computer. GLP compliant.

- Large LCD graphic display with continuous LED backlight shows both pH/mV and temperature value simultaneously
- Data logging function selectable between 1 minute and 1 hour
- 5000 data set memory capacity with automatic storing; additional 200 point memory for manual storage
- 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
- Energy saving: 4× AA batteries for over 1000 operating hours

Ordering information: Ready-to-use pH portable set pH 1100 H includes instrument in robust plastic case, gel epoxy pH electrode with built-in temperature sensor 111 (1 m cable), starter kit (two buffers, one plastic beaker), stand and instruction manual (22 languages) on CD ROM.

Model	pH 1100 H
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
mV - accuracy	±0,3 / ±1
Temperature range (°C)	Auto: -5,0...+105,0; Manual: -25...+130
Temperature resolution (°C)	0,1
Temperature accuracy (°C)	±0,2
Temperature compensation	Auto/Manual
Data logging - capacity	5000 data sets
Data logging - log function	Selectable between 1 second and 1 hour
Display	LCD graphical display with LED backlight
Connections	BNC for pH / banana for temperature
Outputs	Waterproof USB connection (slave, bidirectional)
Power supply	4× AA batteries
Compliance	IP 67 / GLP
Battery Life	1000 hours

Description	Pk	Cat. No.
Handheld pH/mV/°C meter pH 1100 H, pHenomenal®	1 SET	662-1659

Description	Material	Electrolyte	ØxL (mm)	Diaphr.	Connection	Pk	Cat. No.
pH electrode, pHenomenal®							
pHenomenal® 111 pH electrode, 3 in 1, with temperature sensor	Epoxy	Gel	12x120	Ceramic	BNC, 1 m cable	1	662-1157

Description	Pk	Cat. No.
Accessories		
pHenomenal® electrode storage tube	1	662-1167
pHenomenal® storage/measuring vessel	1	662-1248
pHenomenal® extension stick, aluminium, 1,5 m	1	662-1224
pHenomenal® communication kit (CD-ROM, USB cable, manual)	1	662-1225
pHenomenal® field case	1	662-1168
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
Buffer solutions in bottles		
Buffer solution AVS TITRINORM®, ready to use, pH 4	100 ml	32095.184
Buffer solution pH 10 (boric acid/sodium hydroxide/potassium chloride) AVS TITRINORM®	100 ml	32040.185
Buffer solution AVS TITRINORM®, ready to use, pH 7	100 ml	32096.187