



Multi-parameter meter (pH/conductivity/DO), handheld, pHenomenal® MU 6100 H



This user friendly portable instrument with robust IP 67 rated housing provides high resolution and accuracy for precise measurements of pH, mV, conductivity and oxygen in field applications (Can only be used to measure any 2 of these at the same time). With waterproof USB output for connection to a computer. GLP compliant.

- Large LCD graphic display with continuous LED backlight showing the measured parameter and the 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: 4x 'AA' batteries for over 1000 operating hours

Ordering information: Ready-to-use set **MU 6100 H S1** includes multi-parameter meter in robust plastic case, gel epoxy pH electrode 111 with built-in temperature sensor (1 m cable), starter kit (two pH buffers, one plastic beaker), conductivity probe CO 21 with built-in temperature sensor (1,5 m cable), stand and instruction manual (22 languages) on CD ROM.

Ready-to-use set **MU 6100 H S2** includes multi-parameter meter in robust plastic case, gel epoxy pH electrode 111 with built-in temperature sensor (1 m cable), starter kit (two pH buffers, one plastic beaker), conductivity probe CO 21 with built-in temperature sensor (1,5 m cable), galvanic oxygen probe OXY 11-3 with built-in temperature sensor (3 m cable), maintenance kit, stand and instruction manual (22 languages) on CD ROM.

Model	MU 6100 H
pH - range	-2,000...+20,000
pH - resolution	0,1 / 0,01 / 0,001 (selectable)
pH - accuracy	±0,005 + 1 digit
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
Conductivity - range	0,001 µS/cm - 1000 mS/cm
Conductivity - resolution	0,1 µS/cm
Conductivity - accuracy	±0,5% of measured value
Conductivity - cell constant (cm ⁻¹)	Depending on probe
Conductivity - calibration	1 point
Resistivity - range	1 Ω/cm - 999 MΩ/cm
Resistivity - accuracy	±0,5% of measured value
Salinity - range	0,00 - 70 ppt
TDS - range	0,1 mg/l - 199,9 g/l
TDS - resolution	0,1 mg/l / 1 mg/l / 0,01 g/l
DO - concentration (mg/l)	0,00 - 20,00; 0,0 - 90,0
DO - resolution (mg/l)	0,1%; 0,01 (depending on sensor)
DO - % saturation	0,0 - 200,0; 0 - 600 (depending on sensor)
DO - accuracy	±0,5% of value (between 5...30 °C)
DO - calibration	Water saturated air
Temperature range (°C)	Auto: -5,0...+105,0; Manual: -25...+130
Temperature resolution (°C)	0,1
Temperature accuracy (°C)	±0,2
Temperature compensation	Automatic/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 / 8-pin for conductivity and DO
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/conductivity/DO meter pHenomenal® MU 6100 H, Set 1	1 SET	665-0311
Handheld pH/mV/conductivity/DO meter pHenomenal® MU 6100 H, Set 2	1 SET	665-0312