

Multi-Parameter Meter



PC 1100

- pH/ORP/EC/TDS/Res/Sal/Temp (°C) in one meter
- Combination of PH 1200 & EC 1100
- Simultaneous measurement on 2 channels



- Dual channel, dual display

Model		PC 1100
		Dual Channel pH/ORP/ EC/TDS/Res/Sal/Temp (°C)
pH range		-2.000 to 20.000 pH
Resolution		0.1 / 0.01 / 0.001 pH
Accuracy		±0.003 pH
Cal points		5
Buffer options		USA, NIST, Custom
ORP range		±2000 mV
Resolution		0.1 mV
Accuracy		±0.2 mV
EC range		0.000 to 1.999 µS/cm (k = 0.1) 2.00 to 19.99 µS/cm (k = 0.1, 1) 20.0 to 199.9 µS/cm (k = 0.1, 1, 10) 200 to 1999 µS/cm (k = 0.1, 1, 10) 2.00 to 19.99 mS/cm (k = 0.1, 1, 10) 20.0 to 199.9 mS/cm (k = 1, 10) 0.200 to 2.000 S/cm (k = 10)
Resolution		0.05% F.S.
Accuracy		±0.6% F.S. (±1.5% F.S. > 18.0 mS/cm)
Ref. temp.		15 to 30 °C (selectable)
Temp. coefficient		0.00 to 10.00% (selectable)
Cell constants		0.1 / 1.0 / 10.0
Cal points		4 points (Auto/Manual)
Units setting		Auto ranging / Manual µS/cm or mS/cm or S/m
TDS range		0.01 to 9.99 mg/L 10.0 to 99.9 mg/L 100 to 999 mg/L 1.00 to 9.99 g/L 10.0 to 99.9 g/L 100 g/L
Resolution		0.01 mg/L
Accuracy		±0.1% F.S.
TDS curves		EN27888, 442, Linear (0.40 to 1.00), NaCl
Resistivity Range		0.000 to 1.999 kΩ•cm (k = 1) 2.00 to 19.99 kΩ•cm (k = 0.1, 1) 20.0 to 199.9 kΩ•cm (k = 0.1, 1) 0.200 to 1.999 MΩ•cm (k = 0.1, 1) 2.00 to 19.99 MΩ•cm (k = 0.1, 1) 20.0 to 200.0 MΩ•cm (k = 0.1)
Resolution		0.05% F.S.
Accuracy		±0.6% F.S. (±1.5% F.S. > 1.80 MΩ•cm)
Salinity		0.00 to 100.00 ppt 0.000 to 10.000 %
Resolution		0.01 ppt / 0.001%
Accuracy		±0.2% F.S.
Cal curves		NaCl / Sea water
Temperature range		-30.0 °C to 130 °C
Resolution		0.1 °C
Accuracy		±0.4 °C

Memory	999
Auto Data-logging	Yes
Real time clock	Yes
Date/time stamping	Yes
Auto Shut-off	Yes (programmable: 1 to 30 mins)
Auto-Hold	Yes
Averaging/Stability	Yes, Automatic
Offset display	Yes
Slope display	Yes (independent acid and alkaline slopes depending on calibration)
Cal Alarm	Yes (programmable: 1 to 400 days)
Electrode status	On screen display
Diagnostic messages	Yes
Display	Custom LCD, Dual channel display
Inputs	Dual BNC, dual phono, DC sockets
Outputs**	USB, RS232C
Power requirements	AC adaptor 100 ~ 240 V, 50/60 Hz
Electrode stand	Integrated
Weight	500g
Dimensions	170 (L) x 174 (D) x 73 (H) mm

Ordering information:

Kit*	<p>PC1100-S (3999960180)</p> <ul style="list-style-type: none"> • PC1100 meter • electrode stand • power adaptor • 9615S-10D - refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC & phono jack • 9382-10D - plastic-body, k=1.0 conductivity cell with integrated temperature sensor, 1m cable, BNC & phono jack • pH 4.01, 7.01, 10.01, 3.33M KCl solutions (250ml ea) • 84µS/cm, 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm solutions (250ml ea) • Data Acquisition Software
Meter with electrode stand	<p>PC1100 (3200647410)</p> <ul style="list-style-type: none"> • PC1100 meter • electrode stand • power adaptor • protection cover
pH Electrode	<p>9615S-10D (3200585428)</p> <ul style="list-style-type: none"> • refillable, glass-body pH electrode with integrated temperature sensor, 1m cable, BNC & phono jack
Conductivity cell	<p>9382-10D (3014046709)</p> <ul style="list-style-type: none"> • plastic-body, k=1.0 conductivity cell with integrated temperature sensor, 1m cable, BNC & phono jack
USA pH buffer set	<p>502-S (3999960016)</p> <ul style="list-style-type: none"> • pH 4.01, 7.01, 10.01, 3.33M KCl solutions (250ml ea)
NIST pH buffer set	<p>501-S (3999960015)</p> <ul style="list-style-type: none"> • pH 4.01, 6.86, 9.18, 3.33M KCl solutions (250ml ea)
Conductivity standard solutions set	<p>503-S (3999960017)</p> <ul style="list-style-type: none"> • 84µS/cm, 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm solutions (250ml ea)

*Kit with 501-S is available upon request. Add 'N' suffix to the order code when ordering. ** Communication cable sold separately.