

pH-Waterproof Pen Tester

pH/ORP/Cond/TDS/Salt/Temp Meter

PAT-7011 pH/mV/Temp
 PAT-7021 conductivity/TDS/Salt/Temp
 PAT-7200 pH/mV/conductivity/TDS/Salt/Temp

Feature:

1. Microprocessor based for fast and accurate measurements.
2. Special viewing angle designed of waterproof housing IP 67 rated.
3. Large LCD display pH or Conductivity and Temperature Simultaneously.
4. Simple to calibrate by one keyboard and automatic temperature compensation.
5. Multi-functions with Data-hold, Max/Min and shows PTS after calibration.
6. Low battery and consumption indicator. Auto power shut off after 10 minutes of non use.
7. Easy to replace electrode module and the type of electrode would be recognized automatically and shown in display during insertion.



7200							
	7011		7021				
	pH	mV	Temp.	Cond.	TDS	Salt	Temp.
Range	-2 ~ 16.00	-1000 ~ 1000	0 ~ 90 <input type="checkbox"/>	0 ~ 2000 μ S 2.00~20.00 mS	0 ~ 1300 ppm 1.30 ~ 13.00 ppt	0 ~ 1000 ppm 1.00 ~ 12.00 ppt	0 ~ 90 <input type="checkbox"/>
Accuracy	$\pm 0.01 + 1$ digit	$\pm 2 + 1$ digit	$\pm 0.2 + 1$ digit	$\pm 2\%$ FS (Cond., TDS, Salt)			$\pm 0.2 + 1$ digit
Resolution	0.01	1	0.1 <input type="checkbox"/>	1 μ S/0.01 mS	1 ppm/0.01 ppt	1 ppm/0.01 ppt	0.1 <input type="checkbox"/>
ATC	0 ~ 90 <input type="checkbox"/>			0 ~ 50 <input type="checkbox"/>			
Calibration	pH 4.00, 7.00, 10.01			0, 1413 μ S, 12.88 mS			
Power	DC1.5V x 4 battery size:AAA/UM-4						

Accessories for complete kit:

1. Buffer solution pH 4 & 7(7011, 7200)
2. Standard solution 1413 μ S(7021, 7200)
3. Battery 1.5V x 4
4. Lanyard connection
5. Carrying case
6. Instruction manual
7. **Optional: ORP Electrode**

pH-Portable

pH/mV/Temp Meter

Model:

PAT-PP-201 pH Meter
 PAT-PP-203 pH/mV/Temp Meter
 PAT-PP-206 pH/mV/Temp Meter with STO/RCL & MAX/MIN

Features:

1. Microprocessor based with splash proof housing.
2. Large LCD built into adjustable "flip-up" cover. Simultaneous display pH and Temperature.
3. Rugged design for handheld or bench top use, neckstrap for "hands-free" operation.
4. Automatic or manual temperature compensation. °C/°F switchable
5. Simple to calibrate by one keyboard for 5 points buffer, calibration value can be adjusted as needed.
6. Memory stores and recalls up to 20 points. Min/Max storage and recall. (PP-206 only)
7. Indicate percentage of slope (PTS) after calibration.
8. Low battery and consumption indicator.
9. Auto shut off after 10 minutes of non use.



PP-201	PP-203			PP-206			
	pH	pH	mV	Temp.	pH	mV	Temp.
Range:	0-14.00	0-14.00	±1999	0-100°C	0-14.00	±1999	0-100°C
Accuracy:	±0.01+1 digit	±0.01+1 digit	±1+1 digit	±0.2°C+1digit	±0.01+1 digit	±1+1 digit	±0.2°C+1digit
Resolution:	0.01	0.01	1	0.1°C	0.01	1	0.1°C
Compensation:	MTC:0-100°C	ATC: 0-100°C		ATC: 0-100°C			
Battery:	9V	9V or AC Adaptor		9V or AC Adaptor			
Multi-function	None	None		Storage/Recall, Min/Max			
Calibration:	pH4.00, 7.00, 10.00						
Dimensions:	96 x 120 x 46 mm (folded)						
Weight:	260 g (with battery)						

Accessories for complete kit:

1. pH electrode.
2. Buffer solution 4 & 7.
3. Distilled water.
4. 9V Battery.
5. Instruction manual.
6. Carrying case.
7. Temperature probe(Pt 100) for PP-203 & PP-206 only.
8. Optional: AC/DC adaptor.

PAT-pH-PHB pH/mV/Temp Meter

Model:

PHB-1 pH/mV/Temp Meter

PHB-2 pH Meter

1. Microprocessor based with splash proof housing.
2. Simultaneous display pH and Temperature.
3. Automatic or manual temperature compensation.
4. Simple to calibrate by one keyboard for 3 points buffer.
5. Calibration value can be adjusted as needed. °C/°F switchable
6. Indicate percentage of slope(PTS) after calibration.
7. Low battery and consumption indicator.
8. Auto shut off after 10 minutes of non use.



PHB-2	PHB-1			
	pH	pH	mV	Temp.
Range:	0-14.00	0-14.00	±1999	0 -100°C
Accuracy:	±0.01+1 digit	±0.01+1 digit	±1+1 digit	±0.2°C+1digit
Resolution:	0.01	0.01	1	0.1°C
Compensation:	MTC	ATC 0- 100°C		
Calibration:	pH 4.00, 7.00, 10.00 (preset)			
Battery:	9V			
Dimensions:	163 x 43 x 27 mm (without electrode)			
Weight:	75 g (Meter only)			

Accessories for complete kit:

1. Buffer solution 4 & 7.
2. 9V Battery.
3. Instruction manual.
4. Carrying case.
5. pH electrode with Pt 100 for PHB-1.
6. pH electrode for PHB-2.
7. Optional: ORP Electrode for PHB-

PAT-013 High Accuracy Portable pH Meter

Range	PH:0.00~14.00 mV:0~±1999mV °C:0~100°C
Resolution	PH:0.01PH mV:1mV °C:0.1°C
Accuracy	PH:±0.01PH mV:±1mV±1digit °C:±0.4°C
Calibration	1point or 2point
A T C	0°C~95°C
Power	
Operating Conditions	0~60°C RH≤95%
Dimensions	180×82×45mm
Weight	290g



Bench Top Meters

PAT-PH2601

Range	PH:0.00~14.00 °C: - 9.9~99.9°C °F:16~210°F
Resolution	PH :0.01PH °C:±0.1 °C °F:±1°F
Accuracy	PH :±0.05PH °C:±1 °C °F:±2°F
Calibration	1point or 2point
Power	DC9V 100mA
Operating Conditions	Temperature: 5~60°C Humidity: 95% maximum
Dimensions	208×200×76mm
Weight	390g



PAT-PH2602 PH/ORP/°C Meter

Range	PH:0.00~14.00 mV:0~±1999mV °C:0~100°C
Resolution	PH:0.01PH mV:1mV °C:0.1°C
Accuracy	PH:±0.01PH mV:±1mV °C:±0.4°C
Calibration A T C	1point or 2point 0~95°C
Power	DC9V/200mA or Rechargeable battery
Operating Conditions	Temperature: 5~60°C Humidity: 95% maximum
Dimensions	208×200×76mm
Weight	480g



PH-2603 PH/mV/°C/EC/CF/TDS Meter

Range	PH: 0.00~14.00	mV: 0~±1999mV	°C: 0~100°C	EC: 0.00~19.99ms/cm	CF: 0.0~199.9CF	TDS: 10~19990ppm
Resolution	PH: 0.01PH	mV: 1	°C: 1°C	EC: 0.01	TDS: 10 ppm	mV ms/cm
Accuracy	PH: ±0.01PH	mV: ±1mV	°C: ±0.4°C	EC, CF, TDS: ±2%F·S		
Calibration	1point or 2point					
A T C	0°C~95°C					
Power	DC9V/200mA or Rechargeable battery					
Operating Conditions	Temperature: 5~60°C					
	Humidity: 95% maximum					
Dimensions	208×200×76mm					



PAT-PL500 Series pH/mV/Temp/RS 232 Meter

PAT-PL 500 pH/mV/Temp Meter
 PAT-PL 500R pH/mV/Temp/RS 232

1. Microprocessor based with splash proof housing.
2. Simultaneous display pH and Temperature.
3. Automatic or manual temperature compensation.
4. Simple to calibrate by one keyboard for 5 points buffer.
5. Calibration value can be adjusted as needed.
 °C/°F switchable
6. Indicate percentage of slope (PTS) after calibration.
7. Memory stores/recalls up to 20 points. Min/Max storage and recall
8. Auto shut off after 10 minutes of non use.
9. Backlight for operating conveniently anytime.
10. RS-232 output for capturing data on PC directly. (PL-500R only)



PL-500			
	pH	mV	Temp.
Range:	0-14.00	±1999	0-100°C
Accuracy:	±0.01 + 1digit	±1 + 1digit	±0.2°C + 1digit
Resolution:	0.01	1	0.1 °C
ATC:	0-100°C		
Calibration:	pH 1.68, 4.00, 7.00, 10.00, 12.45 (preset)		
RS-232	PL-500R only		
Power	DC 9V by AC adaptor		
Dimensions:	190 x 158 x 70 mm		
Weight:	585 g		

Dissolved Oxygen Meter

1. Microprocessor based for fast and accurate measurements.
2. Large LCD display DO and Temperature Simultaneously.
3. Simple to calibration by one keyboard and automatic temperature compensation.
4. Memory stores and recalls up to 16 points and Data-hold-funtion.
5. Low battery and consumption indicator. Auto shut off after 10 minutes of non use



Sentry 2000

DO	O ₂	Temp.	
Range:	0 ~ 19.99 mg/L	0 ~ 90.0%	-10.0 ~ 99.9 °C
Accuracy:	±1.5% F.St	±1.5% F.St	±0.3 °C
Resolution:	0.01 mg/L	0.1%	0.1 °C
Compensation:	MTC Salinity: 0 ~ 50.0 ppt		
	MTC Altitude: 555 ~ 808 mmHg		
	ATC 5-80 °C		
Calibration:	100% in air, or 0% in known solution		
Power:	9V battery		

Accessories for complete kit:

1. DO probe with 3 m cable.
2. Membrane cap x 2 pcs.
3. Electrolyte x 20 ml.
4. Rubber protective holster.
5. 9V Battery.
6. Gift box.
7. Instruction manual.

Conductivity-Portable

PAT-PCT403 pH/Cond./TDS Meter
 PAT-PCT404 pH/Cond/Temp Meter

1. Rugged design for handheld or bench top use, neckstrap for "hands-free" operation.
2. Large 3-1/2 digit LCD built into adjustable "flip-up" cover.
3. Wide measuring range from 10 to 19,990 uS/cm for conductivity or 10 to 19,990 ppm for TDS.
4. Calibrate for changes in cell constants via a cell adjust.



PCT-403

	403			404		
	pH	Cond.	TDS	pH	Cond.	Temp.
Range	0-14.00	0-20K μ S	0-20K ppm	0-14.00	0-20K μ S	0-100°C
Accuracy	$\pm 0.01 + 1 \text{ digit}$	$\pm 2\% \text{ FS} + 1 \text{ digit}$	$\pm 2\% \text{ FS} + 1 \text{ digit}$	$\pm 0.01 + 1 \text{ digit}$	$\pm 2\% \text{ FS} + 1 \text{ digit}$	$\pm 0.2^\circ\text{C} + 1 \text{ digit}$
Resolution	0.01	10	10	0.01	10	0.1
Compensation	MTC	ATC	ATC	MTC	ATC	
Power	9V					
Dimension	96 x 120 x 46 mm(folded)					
Weight	300 g(w/battery)					

Accessories for complete kit:

1. 9V Battery.
2. Instruction manual.
3. Gift box.
4. pH electrode.
5. Conductivity cell.
6. Buffer solution 4 & 7.
7. Standard solution.
8. Temperature probe(for PCT-404).

Current/Voltage-Calibrator

PAT-5900A Current
PAT-5900AV Current & Voltage

1. Rugged design for handheld or bench top use.
2. Large 3-1/2 digit LCD built into adjustable "flip-up" cover.
3. precision source for calibrating process devices and measuring DC process signals from 0 to 24 mA and 0 to 10 V
4. High accuracy to 0.075 % and drives current loads to 350 ohm.



5900A		5900AV	
Range:	Source	0-24 mA	0-24 mA, 0-10 V
	Measure	0-50 mA	0-50 mA, 0-19.99 v
Resolution:	0.01/0.1 mA		0.01/0.1mA, 1/10 mV
Accuracy:	±0.075% of reading +1 digit		
Power:	9V or AC Adaptor		
Dimensions:	96 x 120 x 46 mm (folded)		
Weight:	260 g (with battery)		

Current Loop Simulator

PAT-603

1. Low cost, pocket size simulators for 4 mA, 12 mA and 20 mA
2. The simulator are easy to use and provide a quick way for checking calibration or as a current source for setting up engineering units on a process indicator or controller.
3. The simulator can be used as a precision source for general purpose signal injection.
4. Compact case features push button range selector switch for single handed operation.
5. Bright red LED's indicate simulation range or when battery power falls below a specific level.



Range	4 mA, 12 mA, 20 mA
Accuracy	0.2 mA
Power	9V DC
Dimensions	75 x 100 x 30 mm.
Weight	160g.