

FPH210-C Benchtop pH/mV Meter



MEASUREMENT PARAMETERS

pH and mV.

FEATURES

- 1 to 3 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group, including the USA and NIST options.
- Automatic electrode slope display helps user decide whether to replace sensor.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Manual temperature calibration corrects the temperature deviation.
- Setup menu allows setting the 5 parameters, including the pH buffer group, number of calibration points, temperature unit, etc.
- Reset feature automatically resumes all settings back to factory default options.

METER INCLUDES

- pH electrode
- Temperature probe
- pH buffer pouches (4.01/7.00/10.01)
- Power adapter

SPECIFICATION

Model		FPH210-C
pH	Measuring Range	-1.00~15.00pH
	Accuracy	± 0.01pH
	Resolution	0.01pH
	Calibration Points	1~3 points, USA (pH4.01/7.00/10.01) or NIST (pH4.01/6.86/9.18)
	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
mV	Measuring Range	± 1999mV
	Accuracy	± 1mV
	Resolution	1mV
Temperature	Measuring Range	0~105°C, 32~221°F
	Accuracy	± 1°C
	Resolution	0.1°C
	Calibration Points	1 point
General	Hold Function	Manual or Automatic endpoint detection
	Power Off	Manual or Automatic (3 hours after last key pressed)
	Power Requirements	DC9V, using AC adapter, 220VAC/50Hz
	Dimensions and Weight	210(L)×205(W)×75(H)mm, 1.5kg

FPH220-C Portable pH/mV Meter



FEATURES

- 2 points push-button calibration with auto-buffer recognition.
- Automatic electrode slope display helps user decide whether to replace sensor.
- Automatic Temperature Compensation ensures the accurate measuring results.
- Hold function freezes reading momentarily for easy viewing.
- Expanded memory stores and recalls up to 50 data sets.
- Built-in real-time clock stamps stored data to meet GLP standard.



METER INCLUDES

- pH electrode
- Temperature probe
- pH buffer solutions (4.01/7.00/10.01)
- Carrying case

SPECIFICATION

Model		FPH220-C
pH	Measuring Range	-2.00~16.00pH
	Accuracy	±0.01pH
	Resolution	0.01pH
	Calibration Points	2 points (4.01/7.00/10.01)
	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
mV	Measuring Range	±1999mV
	Accuracy	±1mV
	Resolution	1mV
Temperature	Measuring Range	0~100°C, 32~212°F
	Accuracy	±1°C
	Resolution	0.1°C
General	Hold Function	Manual
	Memory	Stores up to 50 data sets
	Output	USB communication interface
	Display	Custom LCD
	Power Requirements	1×9V/800mA battery
	Dimensions	185(L)×88(W)×32(H)mm
	Weight	300g

FPH221-C Portable pH/ORP Meter



FEATURES

pH:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.

ORP:

- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute millivolt modes provide the reliable ORP measurements.

GENERAL:

- Stability indicator shows when a measurement is recognized as stable.
- Auto-Hold feature senses and locks the measurement endpoint.
- Setup menu allows setting the 9 parameters, including the pH buffer group, number of calibration points, resolution, stability criteria, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Expanded memory stores and recalls up to 500 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter or USB port) ensures that use the meter smoothly.

METER INCLUDES

pH electrode, temperature probe, pH buffer solutions (4.01/7.00/10.01), carrying case.

SPECIFICATION

Model		FPH221-C
pH	Measuring Range	-2.000~20.000pH
	Accuracy	±0.002pH
	Resolution	0.001, 0.01, 0.1pH
	Calibration Points	1~5 points (USA, NIST, DIN, Custom)
	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
mV	Measuring Range	±1999.9mV
	Accuracy	±0.2mV
	Calibration Points	1 point (Only for Relative mV mode)
Temperature	Measuring Range	0~105°C, 32~221°F
	Accuracy	±0.5°C, ±0.9°F
	Calibration Points	1 point
General	Hold Function	Manual or Automatic endpoint detection
	Stability Criteria	Low or High
	Calibration Due Alarm	1~31 days
	Memory	Stores up to 500 data sets
	Output	USB communication interface
	Power Requirements	3×1.5V AA batteries or DC5V power adapter
	Dimensions and Weight	170(L)×85(W)×30(H)mm, 300g

FPH320-C/321-C Portable pH/ORP/Ion Meter



MEASUREMENT PARAMETERS

- 320 meter: pH, mV, Relative mV, Ion Concentration, Temperature.
- 321 meter: Ion Concentration, mV, Temperature.

FEATURES

pH:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic Temperature Compensation provides accurate reading over the entire range.

ORP:

- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute millivolt modes provide the reliable ORP measurements.

ION:

- 2 to 5 points calibration, containing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrodes, does not need to specify type of ion.
- Automatic electrode diagnosis shows the calibration points and details of slopes.
- Direct ion concentration readout simplifies the measurement process.
- mV measurement mode can be used to calculate the ion concentration.
- Selectable concentration units include the ppm, mg/L and mol/L.



GENERAL:

- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Hold feature senses and locks the measurement endpoint.
- Setup menu allows setting the 10 parameters, including the number of calibration points, resolution, stability criteria, temperature unit, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Expanded memory stores and recalls up to 500 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter or USB port) ensures that use the meter smoothly.

