FPH920/930/931–C Benchtop pH/ORP/Ion Meter



MEASUREMENT PARAMETERS

- 920 meter: pH, mV, Relative mV, Temperature.
- 930 meter: pH, mV, Relative mV, Ion Concentration, Temperature.
- 931 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, 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.

OPTIONAL ION SELECTIVE ELECTRODES

Including the ammonium (NH_4^+), bromide (br), cadmium (Cd^{2+}), calcium (Ca^{2+}), chloride (Cl^-), cupric (Cu^{2+}), cyanide (Cn^-), fluoride (F), Iodide (I^-), lead (Pb^{2+}), nitrate (NO_3^-), potassium (K^+), silver (Ag^+), sodium (Na^+), sulphide (S^{2-}) and ammonia (NH_3).

SPECIFICATION

	Model		FPH920-C	FPH930-C	FPH931-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)	•	•	—
mV	Measuring Range	±1999.9mV	•	•	•
	Accuracy	±0.2mV	•	•	•
	Resolution	0.1, 1mV	•	•	•
	Calibration Points	1 point (Only for Relative mV mode)	•	•	—
Ion	Measuring Range	0.001～19999ppm, mg/L, mol/L (Depending on range of the ion selective electrode)	—	•	•
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2～5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L, mmol/L)	—	•	•
	Measurement Methods	Direct reading	—	•	•
Temperature	Measuring Range	0～105°C, 32～221°F	•	•	•
	Accuracy	±0.5°C, ±0.9°F	•	•	•
	Resolution	0.1°C, 0.1°F	•	•	•
	Calibration Points	1 point	•	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•	•
	Stability Criteria	Low or High	•	•	•
	Calibration Due Alarm	1～31 days	•	•	•
	Power Off	Manual or Automatic (10, 20 or 30 minutes after last key pressed)	•	•	•
	Memory	Stores up to 500 data sets	•	•	•
	Output	USB communication interface	•	•	•
	Connector	BNC	•	•	•
	Power Requirements	DC5V, using AC adapter, 220VAC/50Hz	•	•	•
	Dimensions	210(L)×188(W)×60(H)mm	•	•	•
	Weight	1.5kg	•	•	•