

- Automatic Temperature Compensation ensures accurate reading over the entire range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable measured value for easy viewing and recording.
- Manual temperature calibration improves the measurement accuracy of meter.
- Selectable temperature unit (°C or °F) meets different application requirements.
- Automatic electrode diagnosis shows zero point offset and slope of the electrode.
- Help message as a operational guide that helps you quickly begin using the meter.
- System menu allows setting the 10 parameters, including the pH buffer standards, number of calibration points, resolutions, stability conditions, hold function, etc.
- Reset feature automatically resumes all parameters back to factory default options.
- Expanded memory stores and recalls up to 500 readings.
- Built-in real-time clock stamps stored data to meet GLP standard.
- Stored data can be transferred into computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter, computer's USB port) ensures that use the meter smoothly.



Ion Mode:

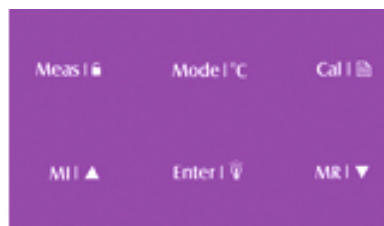
- Multiparameter portable ion meter is equipped with a large backlit LCD display.
- 2 to 5 points calibration including the eight concentration calibration points can be selected.
- Automatically recognize ion selective electrodes, does not need to specify type of ion.
- Direct ion concentration readout simplifies the elaborate measurement process.
- Selectable multiple concentration units for different measurement requirements.

pH Mode:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standards (USA/NIST/DIN) or using the custom calibration solutions.
- Automatically calculates and displays electrode slope that helps you decide whether to replace pH electrode.

ORP Mode:

- Single point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute millivolt measurements provide accurate ORP readings.



Technical Specification

ORDER NUMBER	SQ-7040 - SciQuip Portable Ion/pH/ORP/°C/°F Meter including P11 pH Electrode, Temperature Probe, pH Buffer Solutions, Carrying Case and "AA" Batteries
pH	
Range	-2.000~20.000pH
Accuracy	±0.002pH
Resolution	0.1, 0.01, 0.001pH, Selectable
Calibration Points	1 to 5 points
Calibration Solutions	USA, NIST, DIN Standards
Temperature Compensation	0~100°C, 32~212°F
Compensation Mode	Manual or Automatic
mV	
Range	-1999.9~1999.9mV
Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Calibration Points	1 point (Only for Relative mV mode)
Calibration Range	±200mV
Ion	
Range	0.001~19999ppm, mg/L, mol/L
Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
Resolution	0.001, 0.01, 0.1, 1
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
Temperature	
Range	0~105°C, 32~221°F
Accuracy	±0.5°C, ±0.9°F
Resolution	0.1°C
Calibration Range	Measured value ±10°C
Temperature Units	°C or °F
General Spec	
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Calibration Due	0 to 31 days
Power Off	Manual or Automatic (10, 20, 30 minutes)
Reset Function	Yes
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3×1.5V "AA" Batteries
Battery Life	Approximately 150 hours (Turn off the backlit)
Dimensions	170(L)×85(W)×30(H)mm
Weight	300g

