

Benchtop pH/ORP/Conductivity TDS/Salinity/°C/°F Meter

pH Mode:

- High accuracy benchtop multiparameter water quality meter is equipped with a large backlit LCD display.
- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standards (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:

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

Conductivity/TDS/Salinity/Resistivity Mode:

- 1 to 5 points push-button calibration with automatic calibration solution recognition.
- Selectable cell constants (0.1/1/10), normalization temperatures (20/25°C), TDS conversion factors, seawater and practical salinity measurement modes.
- Linear or pure water compensation improves measurement accuracy of meter.



Other Features:

- Automatic Temperature Compensation provides 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 corrects temperature deviation.
- 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 12 parameters, including the calibration points, resolutions, stability conditions, measurement units, 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.



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Benchtop pH/ORP/Conductivity TDS/Salinity/°C/°F Meter

Technical Specification

ORDER NUMBER	SQ-7076 - SciQuip Benchtop pH/ORP/Conductivity/TDS/Salinity/°C/°F Meter including: P11 pH Electrode, K10 Conductivity Cell, Temperature Probe, pH Buffer Pouches (pH4.01/7.00/10.01), calibration solutions (146uS/cm, 1413uS/cm, 12.88mS/cm) and Power Adapter	
pH		
Range	-2.000~20.000pH	
Accuracy	±0.002pH	
Resolution	0.1, 0.01, 0.001pH	
Calibration Points	1 to 5 points, USA, NIST, DIN Standards	
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	
mV		
Range	-1999.9~1999.9mV	
Accuracy	±0.2mV	
Resolution	0.1, 1mV	
Calibration Points	1 point (Only for Relative mV mode)	
Calibration Range	±200mV	
Conductivity		
Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm	
Accuracy	±0.5% F.S	
Calibration Points	1 to 5 points	
Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm	
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	
Temperature Coefficient	0.0~10.0%/°C	
Compensation Modes	Linear or Pure Water	
Cell Constant	K=0.1, 1, 10	
Normalization Temperature	20 or 25°C	
TDS		
Range	0~10ppt (Max. 20ppt, depending on factor setting)	
Accuracy	±1% F.S	
TDS Factor	0.1~1.0 (Default 0.5)	
Salinity		
Range	0~10ppt (Max. 80ppt)	
Accuracy	±1% F.S	
Measurement Modes	Seawater or Practical Salinity	
Resistivity		
Range	0~100MΩ	
Accuracy	±1% F.S	
Resolution	0.01, 0.1, 1	
Temperature		
Range	0~105°C, 32~221°F	
Accuracy	±0.5°C, ±0.9°F	
Resolution	0.1°C	
Calibration Points	1 point	
Calibration Range	Measured value ±10°C	
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, 6-pin Mini Plug	
Display	LCD	
Power Requirements	DC5V, using AC adapters, 220VAC/50Hz	
Dimensions	210(L)×188(W)×60(H)mm	
Weight	1.5kg	



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