

# Portable Conductivity/TDS/ Salinity/ Resistivity °C/°F Meter

- ◆ Multi-parameter portable conductivity meter is equipped with a large backlit LCD display.
- ◆ 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, linear and pure water compensation modes, seawater and practical salinity measurement modes.
- ◆ 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.
- ◆ Selectable temperature unit (°C or °F) meets different application requirements.
- ◆ Automatic electrode diagnosis shows cell constant of the conductivity electrode.
- ◆ Help message as a operational guide that helps you quickly begin using the meter.
- ◆ System menu controlling 10 parameters, including the number of calibration points, stability conditions, temperature units, 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 (battery, power adapter, computer's USB port).



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# Portable Conductivity/TDS/ Salinity/ Resistivity °C/°F Meter

## Technical Specification

<b>ORDER NUMBER</b>	<b>SQ-7048 - SciQuip Portable Conductivity/TDS/Salinity/Resistivity/°C/°F Meter including: CON1 General Purpose Conductivity Electrode, Temperature Probe, Calibration Solutions, Carrying Case and "AA" Batteries</b>
<b>Conductivity</b>	
Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Accuracy	±0.5% F.S
Resolution	0.01, 0.1, 1
Calibration Points	1 to 5 points
Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
<b>TDS</b>	
Range	0~10ppt (Max. 20ppt, depending on factor setting)
Accuracy	±1% F.S
TDS Factor	0.1~1.0 (Default 0.5)
<b>Salinity</b>	
Range	0~10ppt (Max. 80ppt)
Accuracy	±1% F.S
Measurement Modes	Seawater or Practical Salinity
<b>Resistivity</b>	
Range	0~100MΩ
Accuracy	±1% F.S
Resolution	0.01, 0.1, 1
<b>Temperature</b>	
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
<b>General Spec</b>	
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
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
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



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