

# Benchtop Precision Conductivity/TDS Salinity/Resistivity/°C/°F Meter

The SciQuip high performance precision conductivity meter features a 1 – 5 points calibration, automatic temperature compensation and system menu contains 11 optional parameters. This precision water quality tester is ideal for geological and ecological research, cooling towers, printing industry, pools and spas, aquaculture and agriculture along with general laboratory work.

- ◆ High performance benchtop 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 sensor.
- ◆ Help message as an operational guide that helps you quickly begin using the meter.
- ◆ System menu allows setting the 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.



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## Technical Specification

ORDER NUMBER	SQ-7071 - SciQuip Precision Conductivity/TDS/Salinity/Resistivity/°C/°F Meter including K10 Conductivity Cell, Temperature Probe, Calibration Solutions (84uS/cm, 1413uS/cm, 12.88mS/cm)
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<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 Points	1 point
Calibration Range	Measured value ±10°C
<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
Connector	6-pin
Power Requirements	DC5V, using AC adapters, 220VAC/50Hz
Dimensions	210(L)×188(W)×60(H)mm
Weight	1.5kg