

S-611 Series Benchtop Conductivity Meter



Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing

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Specifications

MODEL	S-611H	S-611L	S-611P	S-611C
Display	6.5 inch LED screen	6.5 inch LED screen	6.5 inch LED screen	6.5 inch LED screen
Parameters	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature
measuring range	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$
	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$
	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$
	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm
	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm
	(200~2000) mS/cm (K=10)		(200~2000) mS/cm (K=10)	(200~2000) mS/cm (K=10)
Conductivity resolution	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$
	0.01/0.1/1 mS/cm	0.01/0.1 mS/cm	0.01/0.1/1 mS/cm	0.01/0.1/1 mS/cm
Conductivity Accuracy	Electrode: $\pm 0.5\% \text{FS}$	Electrode: $\pm 1.0\% \text{FS}$	Electrode: $\pm 0.5\% \text{FS}$	Electrode: $\pm 0.5\% \text{FS}$
	Instrument: $\pm 0.8\% \text{FS}$	Instrument: $\pm 1.50\% \text{FS}$	Instrument: $\pm 0.8\% \text{FS}$	Instrument: $\pm 0.8\% \text{FS}$
Resistivity measuring range	0.01 ... 100.00 $\text{M}\Omega \cdot \text{cm}$	0 ~ 100 $\text{M}\Omega \cdot \text{cm}$	0.01 ... 100.00 $\text{M}\Omega \cdot \text{cm}$	0.01 ... 100.00 $\text{M}\Omega \cdot \text{cm}$
TDS	0~100g/L	0~100 g/L	0~100g/L	0~100g/L
Salinity	0~100 ppt	0~100 ppt	0~100 ppt	0~100 ppt
Temp measuring range	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$
Temp resolution	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$
Temp accuracy	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
Data storage	500 sets	300 sets	500 sets	500 sets
Communication interfaces	USB, Bluetooth	USB, Bluetooth	USB, Bluetooth	USB, Bluetooth
Working conditions	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$
	Humidity: 5-85%	Humidity: 5-85%	Humidity: 5-85%	Humidity: 5-85%
Power	12V/1A	12V/1A	12V/1A	12V/1A
Size & Weight	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g

Standard Configuration

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|---|--------|
| 1. S-611 benchtop conductivity meter | 1 unit |
| 2. Conductivity electrode (subject to different models) | 1 pc |
| 3. Rotary electrode holder | 1 pc |
| 4. 12V power adapter(for instrument) | 1 pc |
| 5. Brief operating manual | 1 copy |