



## 800 Benchtop pH / Conductivity Meter

### Accurate Measurements:

- High quality 3-in-1 pH & platinum black Conductivity electrodes provide high accuracy in wide measuring ranges.
- Advanced digital processing technology improves meter's response time and accuracy.
- Easy and Quick Auto Calibration with auto buffer recognitions (up to 15 types of auto buffer recognition)

### Intelligent Functions

- GLP Data Management, 500 groups of data storage, Digital Clock Display, USB data output
- Slope Data Display during calibrations, showing the health condition of your probes
- Smart Self-Diagnosis to help you conduct correct calibrations

### Reliable Performance

- Quick Auto Temperature Compensation
- Stable / Auto-Lock reading display to improve consistency
- Calibration Reminders and Calibration History Check to assure you are receiving the most accurate measurements.
- IP54 Splashproof and Dustproof



### PC Connectivity





## 820 Precision Benchtop pH / Conductivity Meter

**Highest Accuracy**  
(±0.002 pH & ±0.5% F.S in conductivity)

### Measuring pH

- Equipped with LabSen 211 Long-Life Premium Glass pH Electrode
- 1-3 points or 1-5 points of auto calibration with guidance and auto-check.
- Automatically recognizes up to 15 kinds of pH standard buffer solutions (3 optional series: U.S., NIST, and China; also featuring a User-Defined Setting).
- Pure water and ammonia-added pure water test modes available; especially suitable for electric power and petrochemical industries.
- “E<sub>H</sub>” oxidation-reduction potential (ORP) measuring mode available

### Measuring Conductivity

- Equipped with 2401T-M High-Accuracy Glass Conductivity Electrode
- 1-4 points of auto calibration with guidance and auto-check.
- Easy switch among conductivity/TDS/Salinity/Resistivity.
- Automatically recognizes up to 8 kinds of conductivity standard solutions (2 optional series: U.S. and NIST; also featuring a User-Defined Setting).
- Auto-range switch. Auto non-linear Temp. Compensation for pure water and ultra-pure that is less than 10 µS/cm, which significantly improves the accuracy of ultra-pure water’s conductivity testing.

### LabSen 211 Long-Life Glass pH Electrode



Model: PH820

Measuring Range	0 to 14 pH
Temp. Range	-5 to 100°C (23 to 212°F)
Material	Lead-Free Glass
Temp. Probe	No
Junction	Ceramic
Reference	Long Life
Electrolyte	Gel 3M KCl
Membrane	Impact-Resistant Half Ball
Connector	BNC
Applications	This sturdy glass pH electrode with long-life reference system is ideal for general pH measurements in scientific research and quality control

# 800 Series Benchtop Meter

	PH800	PC800	EC800
<b>pH</b>	Electrode	201T-F 3-in-1 Plastic Combination pH Electrode	
	Measuring Range	(-2.00 to 19.99) pH	
	Resolution	0.1/0.01 pH	
	Accuracy	±0.01 pH ±1 digit	
	Calibration	1-5 points Auto Calibration	
	Input current	≤1x10 <sup>-12</sup> A	
	Input impedance	≥1x10 <sup>12</sup> Ω	
	Stability	±0.01 pH ±1 digit/3 hrs	
	Temp. Compensation	0 to 100 °C (32 to 212 °F) Auto or Manual	
	<b>mV</b>	Measuring range	±1999 mV
Resolution		1 mV	
Accuracy		±0.1% F.S ±1 digit	
<b>Cond</b>	Electrode	/	2301T-M Plastic Conductivity Electrode
	Measuring Range	/	Conductivity: 0 to 2000 mS/cm, include: (0.00-19.99) μS/cm (20.0-199.9) μS/cm (200-1999) μS/cm (2.00-19.99) mS/cm (20.0-199.9) mS/cm
		/	TDS: (0 to 100) g/L
		/	Salinity: (0 to 100) ppt
		/	Resistivity: (0 to 100) MΩ·cm
	Resolution	/	0.01/0.1/1 μS/cm; 0.01/0.1 mS/cm
	Accuracy	/	±1.0% F.S ±1 digit
	Calibration	/	1-4 points Auto Calibration
	Temp. Compensation	/	0 to 50 °C (32 to 122 °F) Auto or Manual
	Electrode constant	/	0.01/0.1/1/10 cm <sup>-1</sup>
<b>Temp</b>	Electrode	MP500 Temperature Electrode	
	Measuring Range	/	0 to 100 °C (32 to 212 °F)
	Resolution	/	0.1 °C
Accuracy	/	±0.5 °C ±1 digit	
<b>Others</b>	Data Storage	500 Groups	
	Storage Content	Numberings, Date, Time, Measurements, Unit, and Temperature	
	Data Output	USB – PC-Link Software	
	Timing Data Logging	Yes	
	Pure Water Mode	Yes	
	Power Supply	DC9V/300mA	
	IP Rating	IP54 Splashproof and Dustproof	
	Dimensions and Weight	(240*235*103) mm/1kg	

# 820 Series Precision Benchtop Meter

	PH820	PC820	EC820
<b>pH</b>	Electrode	LabSen 211 Long-Life Glass pH Combination Electrode	
	Measuring Range	(-2.000 to 19.999) pH	
	Resolution	0.1/0.01/0.001 pH	
	Accuracy	±0.002 pH ±1 digit	
	Calibration	1-5 points Auto Calibration	
	Input current	≤1x10 <sup>-12</sup> A	
	Input impedance	≥3x10 <sup>12</sup> Ω	
	Stability	±0.002 pH ±1 digit/3 hrs	
	Temp. Compensation	0 to 100 °C (32 to 212 °F) Auto or Manual	
	<b>mV</b>	Measuring range	±1999.9 mV
Resolution		0.1 mV	
Accuracy		±0.03% F.S ±1 digit	
<b>Cond</b>	Electrode	/	2401T-M Glass Conductivity Electrode
	Measuring Range	/	Conductivity: 0 to 2000 mS/cm, include: (0.00~19.99) μS/cm (20.0~199.9) μS/cm (200~1999) μS/cm (2.00~19.99) mS/cm (20.0~199.9) mS/cm (200~1999) mS/cm
		/	TDS: (0 to 100) g/L
		/	Salinity: (0 to 100) ppt
		/	Resistivity: (0 to 100) MΩ·cm
	Resolution	/	0.01/0.1/1 μS/cm; 0.01/0.1/1 mS/cm
	Accuracy	/	±0.5% F.S ±1 digit
	Calibration	/	1-4 points Auto Calibration
	Temp. Compensation	/	0 to 50 °C (32 to 122 °F) Auto or Manual
	Electrode constant	/	0.01/0.1/1/10 cm <sup>-1</sup>
<b>Temp</b>	Electrode	MP500 Temperature Electrode	
	Measuring Range	/	-10 to 110 °C (14 to 230 °F)
	Resolution	/	0.1 °C
	Accuracy	/	±0.4 °C ±1 digit
<b>Others</b>	Data Storage	500 Groups	1000 Groups
	Storage Content	Numberings, Date, Time, Measurements, Unit, and Temperature	
	Data Output	USB – PC-Link Software	
	Timing Data Logging	Yes	
	Pure Water Mode	Yes	
	Power Supply	DC9V/300mA	
	IP Rating	IP54 Splashproof and Dustproof	
	Dimensions and Weight	(240*235*103) mm/1kg	