REX

Since 1940

Electrochemical Instrument & Water Quality Analysis Expert

Water Quality Meter and Laboratory Instruments

REX

Since 1940

Electrochemical Instrument & Water Quality Analysis Expert

PRECISION PERFECT

- 雷 磁 was founded in 1940, REX as the birthplace of China's analytical instrument, designed the China's first pH meter and glass pH electrode.
- In recently 80 years, we have been pursuing "To improve people's quality of life, providing high-tech analytical instruments and high-quality services", focusing on hard work, inheritance, and innovation.
- An outstanding reputation brand in China, with a leading position and largest market share, while expanding its business to the world. Also expand business to the globally market.

80 Years History

As one of the largest scientific instrument groups in China, Shanghai INESA Scientific Instrument Co., Ltd. has a well-known brand REX with a history of more than 80 years in the analytical instrument field.

Innovative Development

REX is a high-tech enterprise integrating R&D, production, sales, application, and service.

- The largest domestic electrochemical water quality analysis instrument and electrochemical sensor development and production base.
- Host and participate in the formulation of major national and industry standards related to electrochemical analysis instruments and sensors in China.
- Complete products (pH/ISE/EC/DO Meters, Titrators, Karl Fischer titrators, Water quality analyzers, Online monitoring systems, Electrochemical sensors and related Reagents), from high-precision professional products to basic application products.

Brand Excellence

"SHANGHAI BRAND"

(The ONLY company with this honor of instrument manufacturer)

"SHANGHAI STANDARD "

"Shanghai Famous Trademark"

" Shanghai Brand-name Products"

(The first company in the industry with this honor)

Qualification

- ISO9001 Certificate
- ISO14001 Certificate
- CE certification (The main products are CE certified)

REX

Original developer and manufacturer of electrochemical instruments and electrodes.

Support OEM/ODM Services

Benchtop
pH/ISE/EC/DO meter

Titrator

Turbidity meters

Portable
pH/ISE/EC/DO meter

KF titrator

Water quality
analysis instrument

Electrodes

Reagent

Precision Perfect

CONTENTS

Benchtop
Precision Perfect

600L Series

Professional-Moldable

Modular four-channel pH/ISE/EC/DO meter with powerful touch screen for data management and analysis.

500T Series

Professional-Smart

Accurate and professional pH/ISE/EC/DO meter with touch screen for powerful data traceability and management.

Portable
Your mobile lab

510T Series

Professional-Smart

Accurate and durable portable pH/ISE/EC/DO meter with powerful touch screen for data traceability and management.

310T Series

Accurate-Smart

Precise and durable portable pH/ISE/EC/DO meter with touch screen and easy operation UI.

300F/400F Series

Accurate-Smart

Multi-para meter with intelligent system design and simple operation steps.

200E Series

Reliable -Durable

Compact and durable practical pH/EC meter for cost-effectiveness and high-quality measurement.

100B Series

Eco-Basic

Simple design, cost-effective application.

310F Series

Accurate-Powerful

Powerful, reliable and easy-to-use outdoor multi-purpose portable pH/ISE/EC/DO meter.

210E Series

Reliable -Durable

An outdoor multi-purpose portable pH/EC/DO meter that is durable and with perfect measurement accuracy.

110B Series

Eco-Basic

A cost-effective portable pH/EC meter that delivers reliable results quickly.

600L Series Benchtop Meters

GENERAL FEATURES

● Color High contrast LCD touchscreen, 7.0 inches.
● Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management and etc.
● Multi-reading feature allows auto-read, timed-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data capacity of up to 1000 sets for each parameter (GLP-compliant).
● Data analysis feature helps user review, compare and recalculate results.
● Data can be transferred to PC or printer by USB or RS-232 communication interfaces.
● Automation measurement.

M600L Benchtop Multi-parameter Analyzer

The multi-channel instrument allows measurements of 1, 2, 3 or 4 parameters simultaneously, either in the same or in different samples.
● Four measurement channels can be configured in any combination.
● Support for three modules, namely pH/ISE module, conductivity module and dissolved oxygen module.
● Select from three modules to customize the four channels your way.

pH module / PH600L

● 1-6 points calibration with auto-buffer recognition.
● Selectable pH buffer groups, including NIST, DIN, GB.
● User-defined pH buffer or buffer group is supported.
● Automatic electrode diagnosis with pH slope and offset display.

Conductivity module / EC600L

● 1-5 points calibration automatically recognizes the standard solutions.
● Settable parameters, including cell constant, reference temperature (5/10/15/18/20/ 25°C), temperature compensation coefficient and TDS factor.
● Temperature compensation type (none, linear, pure water).

Model		
Parameters (up to 12)		
pH		Range
		Resolution
		Accuracy
		Calibration Points
		Standard customization
		Calibration Reminder
		Standard recognition
		Slope limit
mV/ORP		Range
		Resolution
		Accuracy
		EH ORP Mode
		ORP Calibration Points
pX		Range
		Resolution
		Accuracy
		Calibration Points
ISE		Range
		Units
		Resolution
		Accuracy
		Calibration Points
Conductivity		Range
		Resolution
		Accuracy
		Reference Temperature
		Calibration Points
		Calibration Reminder
		Standard recognition
Resistivity		Range
		Resolution
		Accuracy
TDS		Range
		Resolution
		Accuracy
Salinity		Type
		Range
		Resolution
		Accuracy

M600L	PH600L	EC600L	I600L	DO600L
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. /DO Saturation)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)
-2.000 to 20.000 pH	●	/	●	/
0.1, 0.01, 0.001pH	●	/	●	/
±0.002 pH	●	/	●	/
Up to 6	●	/	●	/
Yes	●	/	●	/
Yes	●	/	●	/
NIST, GB, DIN buffers	●	/	●	/
Yes	●	/	●	/
-2000.00 to 2000.00 mV	●	/	●	/
0.1, 0.01 mV	●	/	●	/
±0.1 mV or ±0.03 %	●	/	●	/
Yes	/	/	●	/
1~2 custom point (relative mV)	/	/	●	/
-2.000 to 20.000 pX	/	/	●	/
0.1, 0.01, 0.001 pX	/	/	●	/
±0.002 pX	/	/	●	/
Up to 6	/	/	●	/
0~19990	/	/	●	/
mol/L, mmol/L, g/L, mg/L, µg/L	/	/	●	/
Up to 4 significant digits	/	/	●	/
±0.3 %	/	/	●	/
Up to 6	/	/	●	/
0.000 µS/cm to 3000 mS/cm	/	●	/	/
0.001 µS/cm minimum; changed with range	/	●	/	/
±0.5 % FS	/	●	/	/
5, 10, 15, 18, 20, 25 ºC	/	●	/	/
Up to 5	/	●	/	/
No	/	●	/	/
146.5µS/cm, 1408µS/cm, 12.85mS/cm, 111.3mS/cm	/	●	/	/
5.00 Ω·cm ～ 100.00 MΩ·cm	/	●	/	/
0.01 Ω·cm minimum;	/	●	/	/
±0.5 % FS	/	●	/	/
0.000 mg/L ～ 1000 g/L	/	●	/	/
0.001ppm minimum; changed with range	/	●	/	/
±0.5%	/	●	/	/
NaCl%	/	●	/	/
(0.00 ～ 8.00)%	/	●	/	/
0.01%	/	●	/	/
±0.1%	/	●	/	/

● INCLUDED   / NONE

600L Series Benchtop Meters

ISE module / I600L

- 1-6 points calibration.
- Selectable measurement unit, including μg/L, mg/L, g/L, mmol/L, pX, etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

DO module / DO600L

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Automatic/Manual barometric pressure compensation.
- Manual Salinity Factor Correction.

Large color touch screen
Easy operation and comfortable experience

Modular design
Four channels, flexible configuration

Model		
Parameters (up to 12)		
Dissolved Oxygen Concentration	Sensor Type	
	Range	
	Resolution	
	Accuracy	
	Calibration Reminder	
	Calibration Points	
	Barometric Compensation	
	Manual Salinity Factor Correction	
% Saturation	Range	
	Resolution	
	Accuracy	
Temperature	Range	
	Unit	
	Resolution	
	Accuracy	
Measurement	Reading Mode	
	Reading prompts	
	Temp. Compensation	
Data management	Data storage	
	GLP Features	
	Log management	
Inputs	pH Electrode	
	DO with Temp. Probe	
	Conductivity with Temp. Probe	
Outputs	USB，RS 232	
Display options	Backlight	
	Auto Shut-down	
	IP Rating	
	Date and time	
General	Power	
	Dimensions	
	Weight	

M600L	PH600L	EC600L	I600L	DO600L
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)
Polarographic	/	/	/	•
0.00 to 99.99 mg/L	/	/	/	•
0.01 mg/L	/	/	/	•
±0.1 mg/L	/	/	/	•
Yes	/	/	/	•
Air-saturated water or zero point	/	/	/	•
Yes	/	/	/	•
Yes	/	/	/	•
(0.0 to 600)%	/	/	/	•
0.10%	/	/	/	•
±10.0 %	/	/	/	•
-5 to 130 ºC	•	•	•	•
ºC	•	•	•	•
0.1	•	•	•	•
±0.1	•	•	•	•
Auto Read(Fast, Medium, Slow), Timed, Continuous	•	•	•	•
Reading, Stable, Locked	•	•	•	•
ATC, MTC	•	•	•	•
1000 Groups	•	•	•	•
Yes	•	•	•	•
Yes	•	•	•	•
BNC(Q9)	•	/	•	/
6-pin MiniDIN	•	•	•	•
8-pin MiniDIN	/	•	/	/
USB 2.0 flash memory device, printer, PC	•	•	•	•
Yes	•	•	•	•
1~60 min, off	•	•	•	•
IP54	•	•	•	•
Yes	•	•	•	•
AC Adapter, 100-240 VAC input, DC24V output	•	•	•	•
280×280×130 mm	•	•	•	•
2500g (5.51 lb)	•	•	•	•

● INCLUDED   / NONE

500T Series Benchtop Meters

Model		
Parameters (up to 12)		
pH	Range	
	Resolution	
	Accuracy	
	Calibration Points	
	Standard customization	
	Calibration Reminder	
	Standard recognition	
	Slope limit	
mV/ORP	Range	
	Resolution	
	Accuracy	
	EH ORP Mode	
	ORP Calibration Points	
pX	Range	
	Resolution	
	Accuracy	
	Calibration Points	
ISE	Range	
	Units	
	Resolution	
	Accuracy	
	Calibration Points	
Conductivity	Range	
	Resolution	
	Accuracy	
	Reference Temperature	
	Calibration Points	
	Calibration Reminder	
	Standard recognition	
Resistivity	Range	
	Resolution	
	Accuracy	
TDS	Range	
	Resolution	
	Accuracy	
Salinity	Type	
	Range	
	Resolution	
	Accuracy	

GENERAL FEATURES

● Color High contrast LCD touchscreen, 7.0 inches.
● Intelligent operation system provides features including user management, calibration management, method management, data management and etc.
● Multi-reading feature allows auto-read, timed-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Data storage 1000 sets for each parameter (GLP-compliant).
● Data analysis feature helps user review, compare and recalculate results.
● Support for USB or RS-232 communication.
● Reset feature automatically resumes all settings back to factory default options.
● IP54 waterproof.
● Automation measurement.

pH

● 1-6 points calibration with standard recognition.
● Selectable pH buffer groups, including DIN, NIST, USA, MERK, JIS, GB.
● Support for PH standard group customization.
● Automatic electrode diagnosis with pH slope and offset display.

Conductivity

● 1-5 points calibration with standard recognition.
● Settable parameters, including cell constant, reference temperature (5/10/15/18/20/ 25°C), temperature compensation coefficient and TDS factor.
● Temperature compensation type (none, linear, pure water).

M500T	M500T-A	PH500T	EC500T	I500T	DO500T
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. /DO Saturation)	pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)
-2.000 to 20.000 pH	•	•	/	•	/
0.1, 0.01, 0.001pH	•	•	/	•	/
±0.002 pH	•	•	/	•	/
Up to 6	•	•	/	•	/
Yes	•	•	/	•	/
Yes	•	•	/	•	/
NIST,GB,DIN,USA,MERK,JIS buffers	•	•	/	•	/
Yes	•	•	/	•	/
-2000.00 to 2000.00 mV	•	•	/	•	/
0.1, 0.01 mV	•	•	/	•	/
±0.1 mV or ±0.03 % of reading whichever is greater	•	•	/	•	/
Yes	•	•	/	•	/
1 custom point (relative mV)	•	•	/	•	/
-2.000 to 20.000 pX	•	/	/	•	/
0.1, 0.01, 0.001 pX	•	/	/	•	/
±0.002 pX	•	/	/	•	/
Up to 6	•	/	/	•	/
1E-9 to 9.999E9	•	/	/	•	/
mol/L, mmol/L, g/L, mg/L, µg/L, ppm	•	/	/	•	/
Up to 4 significant digits	•	/	/	•	/
±0.3 %	•	/	/	•	/
Up to 6	•	/	/	•	/
0.000 µS/cm to 2000 mS/cm	•	/	•	/	/
0.001 µS/cm minimum; changed with range	•	/	•	/	/
±0.5 % FS	•	/	•	/	/
5, 10, 15, 18, 20, 25 ºC	•	/	•	/	/
Up to 5	•	/	•	/	/
Yes	•	/	•	/	/
146.5µS/cm,1408µS/cm,12.85mS/cm,111.3mS/cm; 10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm	•	/	•	/	/
5.00Ω·cm ～ 100.00MΩ·cm	•	/	•	/	/
0.01Ω·cm minimum	•	/	•	/	/
±0.5 % FS	•	/	•	/	/
0.000 ～ 1000ppt	•	/	•	/	/
0.001ppm minimum; changed with range	•	/	•	/	/
±0.5%	•	/	•	/	/
NaCl%	•	/	•	/	/
(0.00 ～ 8.00)%	•	/	•	/	/
0.01%	•	/	•	/	/
±0.1%	•	/	•	/	/

• INCLUDED   / NONE

500T Series Benchtop Meters

▌ Ion

● 1-6 points calibration
● Selectable measurement unit, including μg/L, mg/L, g/L, mmol/L, pX, ppm, etc.
● Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
● Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

▌ DO

● Support for air-saturated water or zero oxygen calibration.
● Auto barometric pressure compensation.
● Manual Salinity Factor Correction.
● Selectable pressure unit, including kPa, mbar, Torr, Atm.

Large color touch screen
Easy operation and comfortable experience

Autosampler available
Make measurement more efficient

User management system

Multiple external devices available
PC, autosampler, printer, scanning gun, USB flash disk, etc

Model		
Parameters (up to 12)		
Dissolved Oxygen Concentration	Sensor Type	
	Range	
	Resolution	
	Accuracy	
	Calibration Reminder	
	Calibration Points	
	Barometric Compensation	
	Manual Salinity Factor Correction	
% Saturation	Range	
	Resolution	
	Accuracy	
Temperature	Range	
	Unit	
	Resolution	
	Accuracy	
Measurement	Reading Mode	
	Reading prompts	
	Temp. Compensation	
Data management	Data storage	
	GLP Features	
	Log management	
Inputs	pH Electrode	
	DO with Temp. Probe	
	Conductivity with Temp. Probe	
Outputs	USB	
	RS 232	
Display options	Backlight	
	Auto Shut-down	
	IP Rating	
	Date and time	
General	Power	
	Dimensions	
	Weight	

M500T	M500T-A	PH500T	EC500T	I500T	DO500T
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. /DO Saturation)	pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)
Polarographic	/	/	/	/	●
0.00 to 99.99 mg/L	/	/	/	/	●
0.01mg/L	/	/	/	/	●
±0.3mg/L（0.00 to 20.00 mg/L）；±10%（20.00 to 99.99 mg/L）；	/	/	/	/	●
Yes	/	/	/	/	●
Air-saturated water or zero point	/	/	/	/	●
Yes	/	/	/	/	●
Yes	/	/	/	/	●
（0.0 to 600）%	/	/	/	/	●
0.10%	/	/	/	/	●
±10.0%	/	/	/	/	●
-10 to 135 ºC, 14 to 275 ºF	●	●	●	●	●
ºC, ºF	●	●	●	●	●
0.1	●	●	●	●	●
±0.1	●	●	●	●	●
AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●	●	●
Reading, Stable, Locked	●	●	●	●	●
ATC, MTC	●	●	●	●	●
1000 Groups	●	●	●	●	●
Yes	●	●	●	●	●
Yes	●	●	●	●	●
BNC(Q9)	●	●	/	●	/
4-pin aviation connector	●	●	/	●	●
5-pin aviation connector	●	/	●	/	/
USB 2.0 flash memory device, PC	●	●	●	●	●
printer、scanner、autosampler	●	●	●	●	●
Yes	●	●	●	●	●
1~60 min, off	●	●	●	●	●
IP54	●	●	●	●	●
Yes	●	●	●	●	●
AC Adapter，100-240 VAC input, DC24V output	●	●	●	●	●
220 x 195 x 68 mm	●	●	●	●	●
950g（2.09 lb）	●	●	●	●	●

● INCLUDED   / NONE

400F/300F Series Benchtop Meters

Model		
Parameters		
pH	Range	
	Resolution	
	Accuracy	
	Calibration Points	
	Standard customization	
	Standard recognition	
mV	Range	
	Resolution	
	Accuracy	
pX	Range	
	Resolution	
	Accuracy	
	Calibration Points	
ISE	Range	
	Unit	
	Resolution	
	Accuracy	
	Calibration Points	
Conductivity	Range	
	Resolution	
	Accuracy	
	Reference Temperature	
	Calibration Points	
	Standard recognition	
Resistivity	Range	
	Resolution	
	Accuracy	
TDS	Range	
	Resolution	
	Accuracy	
Salinity	Range	
	Resolution	
	Accuracy	

▮ GENERAL FEATURES

● 300F Series Benchtop Metesr: High resolution LCD display, 5.7 inches.
● 400F Series Benchtop Metesr: Color high resolution LCD display, 5.7 inches.
● Multi-reading feature allows auto-read, timed-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data storage 500 sets (GLP-compliant).
● Support for USB or RS-232 communication.
● Reset feature automatically resumes all settings back to factory default options.
● IP54 waterproof.

▮ pH

● 1-5 points calibration with standard recognition.
● PH400F: Selectable pH buffer groups, including NIST, DIN, GB, USA, MERK.
● PH300F: Selectable pH buffer groups, including NIST, DIN, GB.
● Automatic electrode diagnosis with pH slope and offset display.

▮ Conductivity

● 1-3 points calibration with standard recognition.
● Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
● Temperature compensation type (none, linear, pure water).

M300F	M300F-A	PH300F	EC300F	I300F	PH400F	EC400F	I400F	DO400F
pH/EC/ISE/DO/Temp. (mV/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)	pH/Temp. (mV)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/pX)	DO/Temp. (DO Saturation)
-2.00 to 20.00pH	●	●	/	●	-2.000 to 20.000 pH	/	●	/
0.1, 0.01 pH	●	●	/	●	0.1, 0.01, 0.001pH	/	●	/
±0.01 pH	●	●	/	●	±0.002 pH	/	●	/
Up to 5	●	●	/	●	●	/	●	/
Yes	●	●	/	●	●	/	●	/
NIST, GB and DIN buffers	●	●	/	●	NIST,GB,DIN,USA and MERK buffers	/	●	/
-2000.0 to 2000.0 mV	●	●	/	●	-2000.00 to 2000.00 mV	/	●	/
0.1 mV	●	●	/	●	0.1, 0.01 mV	/	●	/
±0.3 mV or ±0.1 % of reading whichever is greater	●	●	/	●	±0.1 mV or ±0.03 % of reading whichever is greater	/	●	/
-2.00 to 20.00	●	/	/	●	/	/	-2.000 to 20.000 pX	/
0.1, 0.01 pX	●	/	/	●	/	/	0.1, 0.01, 0.001 pX	/
±0.02 pX	●	/	/	●	/	/	±0.002 pX	/
Up to 5	●	/	/	●	/	/	●	/
1E-9 to 9.999E9	●	/	/	●	/	/	●	/
mol/L, mmol/L, g/L, mg/L, μg/L, ppm	●	/	/	●	/	/	●	/
Up to 4 significant digits	●	/	/	●	/	/	●	/
±0.5 %	●	/	/	●	/	/	±0.3 %	/
Up to 5	●	/	/	●	/	/	●	/
0.000 μS/cm to 1000 mS/cm	●	/	●	/	/	●	/	/
0.001 μS/cm minimum; changed with range	●	/	●	/	/	●	/	/
±1.0 % FS	●	/	●	/	/	±0.5 % FS	/	/
20, 25 ºC	●	/	●	/	/	●	/	/
Up to 3	●	/	●	/	/	●	/	/
146.5μS/cm,1408μS/cm, 12.85mS/cm,111.3mS/cm	●	/	●	/	/	●	/	/
5.00Ω·cm ~ 20.00MΩ·cm	●	/	●	/	/	5.00Ω·cm ~ 100.00MΩ·cm	/	/
0.01Ω·cm minimum	●	/	●	/	/	●	/	/
±1.0 % FS	●	/	●	/	/	±0.5 % FS	/	/
0.00mg/L ~ 300g/L	●	/	●	/	/	0.00mg/L ~ 1000g/L	/	/
0.01mg/L minimum; changed with range	●	/	●	/	/	0.001mg/L minimum; changed with range	/	/
±1.0% FS	●	/	●	/	/	±0.5 % FS	/	/
(0.00 ~ 8.00)%	●	/	●	/	/	●	/	/
0.01%	●	/	●	/	/	●	/	/
±0.2%	●	/	●	/	/	±0.1%	/	/

● INCLUDED   / NONE

400F/300F Series Benchtop Meters

▌ Ion

- 1-5 points calibration.
- Selectable measurement unit, including μg/L, mg/L, g/L, mmol/L, pX, etc.
- I400F: Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- I300F: Measurement mode is Direct Reading mode.
- Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

▌ DO

- Support for air-saturated water or zero oxygen calibration.
- Auto barometric pressure compensation.
- Manual Salinity Factor Correction.
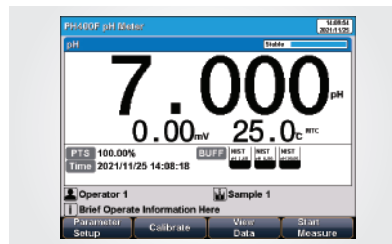- Selectable pressure unit, including kPa, mbar, Torr, Atm.

Automatic identification standard solution
Fast calibration and more accurate measurement

Multiple external devices available
PC, printer

Smart UI design
Best user experience, highly efficient measurement.

Model		
Parameters		
Dissolved Oxygen Concentration	Sensor Type	
	Range	
	Resolution	
	Accuracy	
	Calibration Points	
	Barometric Compensation	
	Manual Salinity Factor Correction	
Saturation	Range	
	Resolution	
	Accuracy	
Temperature	Range	
	Unit	
	Resolution	
	Accuracy	
Measurement	Reading Mode	
	Reading prompts	
	Temp. Compensation	
Data management	Data storage	
	GLP Features	
Inputs	pH Electrode	
	DO with Temp. Probe	
	Conductivity with Temp. Probe	
Outputs	USB	
	RS 232	
Display options	Backlight	
	Auto Shut-down	
	IP Rating	
	Date and time	
General	Power	
	Dimensions	
	Weight	

M300F	M300F-A	PH300F	PH400F	EC300F	EC400F	I300F	I400F	DO400F
pH/EC/ISE/DO/Temp. (mV/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)	pH/Temp. (mV)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	pH/ISE/Temp. (mV/pX)	DO/Temp. (DO Saturation)
Polarographic	/	/	/	/	/	/	/	●
0.00 to 20.00 mg/L	/	/	/	/	/	/	/	0.00 to 99.99 mg/L
0.01mg/L	/	/	/	/	/	/	/	●
±0.3mg/L	/	/	/	/	/	/	/	±0.3mg/L（0.00 to 20.00 mg/L）；±10%（20.00 to 99.99 mg/L）；
Air-saturated water or zero point	/	/	/	/	/	/	/	●
yes	/	/	/	/	/	/	/	●
yes	/	/	/	/	/	/	/	●
(0.0 to 200.0) %	/	/	/	/	/	/	/	(0.0 to 600.0) %
0.1%	/	/	/	/	/	/	/	●
±10.0 %	/	/	/	/	/	/	/	●
-5 to 110 ℃, 23 to 230 ℉	●	●	-10 to 135 ℃, 14 to 275 ℉	●	-10 to 135 ℃, 14 to 275 ℉	●	-10 to 135 ℃, 14 to 275 ℉	-10 to 135 ℃, 14 to 275 ℉
℃, ℉	●	●	℃, ℉	●	℃, ℉	●	℃, ℉	℃, ℉
0.1	●	●	0.1	●	0.1	●	0.1	0.1
±0.2	●	●	±0.1	●	±0.1	●	±0.1	±0.1
AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●	●	●	●	●	●
Reading, Stable, Locked	●	●	●	●	●	●	●	●
ATC, MTC	●	●	●	●	●	●	●	●
500 results each	●	●	●	●	●	●	●	●
Yes	●	●	●	●	●	●	●	●
BNC(Q9)	●	●	●	/	/	●	●	/
4-pin aviation connector	●	●	●	/	/	●	●	●
5-pin aviation connector	●	/	/	●	●	/	/	/
PC	●	●	●	●	●	●	●	●
printer	●	●	●	●	●	●	●	●
Yes	●	●	●	●	●	●	●	●
1~60 min, off	●	●	●	●	●	●	●	●
IP54	●	●	●	●	●	●	●	●
Yes	●	●	●	●	●	●	●	●
AC Adapter，100-240 VAC input, DC9V output	●	●	●	●	●	●	●	●
242 x 195 x 68 mm	●	●	●	●	●	●	●	●
900g（1.98 lb）	●	●	●	●	●	●	●	●

● INCLUDED   / NONE

200E Series Benchtop Meters

GENERAL FEATURES

● High resolution LCD display screen 6.0 inches.
● Multi-reading feature allows auto-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data storage 50 sets for each parameters.
● Reset feature automatically resumes all settings back to factory default options.
● IP54 waterproof.

PH200E pH Meter

● 1-3 points calibration with standard recognition.
● Automatic/Manual temperature compensation ensures accurate results.

PH200EM pH Meter

● 1-3 points calibration with standard recognition.
● Manual temperature compensation ensures accurate results.

EC200E Conductivity Meter

● 1 point calibration with standard recognition.
● Cell constant is settable.
● Automatic/manual temperature compensation ensures accurate results.

EC200EM Conductivity Meter

● 1 point calibration with standard recognition.
● Cell constant is settable.
● Manual temperature compensation ensures accurate results.

Simple UI design

Electrode arm with 360 degree rotation

Model		PH200E	PH200EM
Parameters		pH/Temp.(mV)	pH/mV
pH	Range	-2.00 to 18.00 pH	●
	Resolution	0.01pH	●
	Accuracy	±0.01 pH	●
	Calibration Points	Up to 3	●
	Standard recognition	NIST buffers	●
mV	Range	-1999 to 1999 mV	●
	Resolution	1 mV	●
	Accuracy	±0.1 %FS	●
Temperature	Range	-5 to 110 ºC, 23 to 230 ºF	/
	Unit	ºC,	/
	Resolution	0.1	/
	Accuracy	±0.2	/
Measurement	Reading Mode	AutoRead, Continuous	●
	Reading prompts	Reading, Stable, Locked	●
	Temp. Compensation	ATC, MTC	MTC
Data management	Data storage	50 results each	●
Inputs	pH Electrode	BNC(Q9)	●
	Temp. Probe	4-pin aviation connector	/
Display options	Backlight	Yes	●
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●
	IP Rating	IP54	●
General	Power	AC Adapter, 100-240 VAC input, DC9V output	●
	Dimensions	242 x 195 x 68 mm	●
	Weight	900g (1.98 lb)	●

Model		EC200E	EC200EM
Parameters		EC/Temp. (TDS)	EC(TDS)
Conductivity	Range	0.00 μS/cm to 200 mS/cm	●
	Resolution	0.01 μS/cm minimum; changed with range	●
	Accuracy	±1.0 % FS	●
	Reference Temperature	25 ºC	●
	Calibration Points	Up to 1	●
	Standard recognition	146.5μS/cm,1408μS/cm, 12.85mS/cm,111.3mS/cm	●
TDS	Range	0.00mg/L ～ 100g/L	●
	Resolution	0.01mg/L minimum; changed with range	●
	Accuracy	±1.0% FS	●
Temperature	Range	-5 to 110 ºC, 23 to 230 ºF	/
	Unit	ºC,	/
	Resolution	0.1	/
	Accuracy	±0.2	/
Measurement	Reading Mode	AutoRead, Continuous	●
	Reading prompts	Reading, Stable, Locked	●
	Temp. Compensation	ATC, MTC	MTC
Data management	Data storage	50 results each	●
Inputs	Conductivity with Temp. Probe	5-pin aviation connector	●
Display options	Backlight	Yes	●
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●
	IP Rating	IP54	●
General	Power	AC Adapter, 100-240 VAC input, DC9V output	●
	Dimensions	242 x 195 x 68 mm	●
	Weight	900g (1.98 lb)	●

● INCLUDED   / NONE

100B Series Benchtop Meters

GENERAL FEATURES

● LCD display screen, 6.0 inches.
● Reset feature automatically resumes all settings back to factory default options.
● IP54 waterproof.

PH100B pH Meter

● 1-2 points calibration with standard recognition.
● Manual temperature compensation ensures accurate results.

EC100B Conductivity Meter

● Cell constant is settable
● Manual temperature compensation ensures accurate results.

Simple UI design

Accepts up to four electrodes and stirrer probe

Model		PH100B
Parameters		pH(mV)
pH	Range	-2.00 to 14.00 pH
	Resolution	0.01pH
	Accuracy	±0.01pH
	Calibration Points	Up to 2
	Standard recognition	NIST buffers
mV	Range	-1800 to 1800 mV
	Resolution	1 mV
	Accuracy	±0.1%FS
Measurement	Reading Mode	Continuous
	Reading prompts	Reading, Stable
	Temp. Compensation	MTC
Inputs	pH Electrode	BNC(Q9)
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP54
General	Power	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	200×160×63 mm
	Weight	600g (1.32 lb)

Model		EC100B
Parameters		EC
Conductivity	Range	0.00 µS/cm to 100 mS/cm
	Resolution	0.01 µS/cm minimum; changed with range
	Accuracy	±1.5 % FS
	Reference Temperature	25 ºC
Measurement	Reading Mode	Continuous
	Reading prompts	Reading, Stable
	Temp. Compensation	MTC
Inputs	Conductivity Probe	5-pin aviation connector
Display options	Backlight	Yes
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off
	IP Rating	IP54
General	Power	AC Adapter，100-240 VAC input, DC9V output
	Dimensions	200 x 160 x 63 mm
	Weight	600g（1.32 lb）

510T Series Portable Meters

GENERAL FEATURES

● Color High contrast LCD touchscreen, 4.3 inches.
● Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management and etc.
● Multi-reading feature allows auto-read, timed-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data storage 1000 sets for each parameters (GLP-compliant).
● Data analysis feature helps user review, compare and recalculate results.
● Support for USB communication.
● Auto-power off feature effectively extends the battery service life.
● Reset feature automatically resumes all settings back to factory default options.
● IP65 waterproof.

pH

● 1-8 points calibration with standard recognition.
● Selectable pH buffer groups, including USA,NIST,DIN,GB,MERK,JIS.
● User-defined pH buffer or buffer group is supported.
● Automatic electrode diagnosis with pH slope and offset display.

Conductivity

● 1-5 points calibration automatically recognizes the standard solutions.
● Settable parameters, including cell constant, reference temperature (5/10/15/18/20/ 25°C), temperature compensation coefficient and TDS factor.
● Temperature compensation type (none, linear, pure water).

Model		
Parameters (up to 12)		
pH	Range	
	Resolution	
	Accuracy	
	Calibration Points	
	Standard customization	
	Calibration Reminder	
	Standard recognition	
	Slope limit	
mV/ORP	Range	
	Resolution	
	Accuracy	
	EH ORP Mode	
	ORP Calibration Points	
pX	Range	
	Resolution	
	Accuracy	
	Calibration Points	
ISE	Range	
	Units	
	Resolution	
	Accuracy	
	Calibration Points	
Conductivity	Range	
	Resolution	
	Accuracy	
	Reference Temperature	
	Calibration Points	
	Calibration Reminder	
	Standard recognition	
Resistivity	Range	
	Resolution	
	Accuracy	
TDS	Range	
	Resolution	
	Accuracy	
Salinity	Range	
	Resolution	
	Accuracy	

	M510T	M510T-A	PH510T	EC510T	I510T	DO510T	DO511T
	pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/EC/ISE/Temp. (mV/ORP/pX/Re-sistivity/TDS/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)	DO/Temp. (DO Saturation)
-2.000 to 20.000 pH		•	•	/	•	/	/
0.1, 0.01, 0.001pH		•	•	/	•	/	/
±0.002 pH		•	•	/	•	/	/
Up to 8		•	•	/	•	/	/
Yes		•	•	/	•	/	/
Yes		•	•	/	•	/	/
USA, NIST, MERK, JIS, GB and DIN buffers		•	•	/	•	/	/
Yes		•	•	/	•	/	/
-2000.00 to 2000.00 mV		•	•	/	•	/	/
0.1, 0.01 mV		•	•	/	•	/	/
±0.1 mV or ±0.03 % of reading whichever is greater		•	•	/	•	/	/
Yes		•	•	/	•	/	/
1 custom point (relative mV)		•	•	/	•	/	/
-2.000 to 20.000 pX		•	/	/	•	/	/
0.1, 0.01, 0.001 pX		•	/	/	•	/	/
±0.002 pX		•	/	/	•	/	/
Up to 6		•	/	/	•	/	/
1E-9 to 9.999E9		•	/	/	•	/	/
mol/L, mmol/L，g/L，mg/L, µg/L		•	/	/	•	/	/
Up to 4 significant digits		•	/	/	•	/	/
±0.3 %		•	/	/	•	/	/
Up to 8		•	/	/	•	/	/
0.000 µS/cm to 3000 mS/cm		•	/	•	/	/	/
0.001 µS/cm minimum; changed with range		•	/	•	/	/	/
±0.5 % FS		•	/	•	/	/	/
5, 10, 15, 18, 20, 25 ºC		•	/	•	/	/	/
Up to 5		•	/	•	/	/	/
Yes		•	/	•	/	/	/
146.5µS/cm,1408µS/cm,12.85mS/cm,111.3mS/cm; 10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm		•	/	•	/	/	/
5.00Ω·cm ~ 100.00MΩ·cm		•	/	•	/	/	/
0.01Ω·cm minimum		•	/	•	/	/	/
±0.5 % FS		•	/	•	/	/	/
0.000mg/L ~ 1000g/L		•	/	•	/	/	/
0.001mg/L minimum; changed with range		•	/	•	/	/	/
±0.5%		•	/	•	/	/	/
(0.00 ~ 8.00)%		•	/	•	/	/	/
0.01%		•	/	•	/	/	/
±0.1%		•	/	•	/	/	/

• INCLUDED   / NONE

510T Series Portable Meters

Ion

● 1-6 points calibration.
● Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, etc.
● Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
● Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

DO

● Support for air-saturated water or zero oxygen calibration.
● Auto barometric pressure compensation .
● Manual Salinity Factor Correction.
● Selectable pressure unit, including kPa, mbar, Torr, Atm.

Large color touch screen

Method management
Various methods are built-in, available for methods customization

Assortment of accessories

Support for Bluetooth

Model		
Parameters (up to 12)		
Dissolved Oxygen Concentration	Sensor Type	
	Range	
	Resolution	
	Accuracy	
	Calibration Reminder	
	Calibration Points	
	Barometric Compensation	
	Manual Salinity Factor Correction	
Saturation	Range	
	Resolution	
	Accuracy	
Temperature	Range	
	Unit	
	Resolution	
	Relative Accuracy	
Measurement	Reading Mode	
	Reading prompts	
	Temp. Compensation	
Data management	Data storage	
	GLP Features	
Inputs	pH Electrode	
	DO with Temp. Probe	
	Conductivity with Temp. Probe	
Outputs	USB	
	Bluetooth	
Display options	Backlight	
	Auto Shut-down	
	IP Rating	
	Date and time	
General	Power	
	Dimensions	
	Weight	

M510T	M510T-A	PH510T	EC510T	I510T	DO510T	DO511T
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/EC/ISE/Temp. (mV/ORP/pX/Re-sistivity/TDS/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/ORP/pX)	DO/Temp. (DO Saturation)	DO/Temp. (DO Saturation)
Polarographic	/	/	/	/	●	Optical
0.00 to 99.99 mg/L	/	/	/	/	●	0.00 to 20.00 mg/L
0.01mg/L	/	/	/	/	●	●
±0.3mg/L(0.00 to 20.00 mg/L);±10%(20.00 to 99.99 mg/L);	/	/	/	/	●	±0.3mg/L (0.00 to 20.00 mg/L)
Yes	/	/	/	/	●	/
Air-saturated water or zero point	/	/	/	/	●	●
Yes	/	/	/	/	●	●
Yes	/	/	/	/	●	●
(0.0 to 600.0) %	/	/	/	/	●	(0.0 to 200.0) %
0.10%	/	/	/	/	●	●
±10.0 %	/	/	/	/	●	●
-10 to 135 ºC, 14 to 275 ºF	●	●	●	●	●	0 to 50 ºC
ºC, ºF	●	●	●	●	●	ºC
0.1	●	●	●	●	●	●
±0.2	●	●	●	●	●	●
AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●	●	●	●
Reading, Stable, Locked	●	●	●	●	●	●
ATC, MTC	●	●	●	●	●	●
1000 Groups	●	●	●	●	●	●
Yes	●	●	●	●	●	●
BNC(Q9)	●	●	/	●	/	/
4-pin aviation connector	●	●	/	●	●	●
5-pin aviation connector	●	/	●	/	/	/
USB 2.0 flash memory device, PC,scanner	●	●	●	●	●	●
printer	●	●	●	●	●	●
Yes	●	●	●	●	●	●
300, 600, 1200, 1800, 3600sec, off	●	●	●	●	●	●
IP65	●	●	●	●	●	●
Yes	●	●	●	●	●	●
Rechargeable Lithium batter; AC Adapter, 100-240 V AC input, DC5V output	●	●	●	●	●	●
90 x 255 x 40 mm	●	●	●	●	●	●
500g (1.1 lb)	●	●	●	●	●	●

● INCLUDED   / NONE

310T Series Portable Meters

GENERAL FEATURES

- Color High contrast LCD touchscreen, 4.3 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data capacity of up to 1000 sets for each parameters (GLP-compliant).
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof.

pH

- 1-5 points calibration with standard recognition.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Automatic electrode diagnosis with pH slope and offset display.

Conductivity

- 1-3 points calibration with standard recognition.
- Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
- Temperature compensation type (none, linear, pure water).

Model		
Parameters (up to 12)		
pH	Range	
	Resolution	
	Accuracy	
	Calibration Points	
	Standard customization	
	Calibration Reminder	
	Standard recognition	
mV	Range	
	Resolution	
	Accuracy	
pX	Range	
	Resolution	
	Accuracy	
	Calibration Points	
ISE	Range	
	Units	
	Resolution	
	Accuracy	
	Calibration Points	
Conductivity	Range	
	Resolution	
	Accuracy	
	Reference Temperature	
	Calibration Points	
	Calibration Reminder	
	Standard recognition	
Resistivity	Range	
	Resolution	
	Accuracy	
TDS	Range	
	Resolution	
	Accuracy	
Salinity	Range	
	Resolution	
	Accuracy	

M310T	PH310T	EC310T	I310T
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/Temp. (mV)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/pX)
-2.00 to 20.00pH	●	/	●
0.1, 0.01 pH	●	/	●
±0.01 pH	●	/	●
Up to 5	●	/	●
Yes	●	/	●
Yes	●	/	●
NIST, GB and DIN buffers	●	/	●
-2000.0 to 2000.0 mV	●	/	●
0.1	●	/	●
±0.3 mV or ±0.1 %	●	/	●
-2.00 to 20.00	/	/	●
0.1, 0.01 pX	/	/	●
±0.02 pX	/	/	●
Up to 5	/	/	●
1E-9 to 9.999E9	/	/	●
mol/L, mmol/L, g/L, mg/L, µg/L, ppm	/	/	●
Up to 4 significant digits	/	/	●
±0.5 %	/	/	●
Up to 5	/	/	●
0.000 µS/cm to 1000 mS/cm	/	●	/
0.001 µS/cm minimum; changed with range	/	●	/
±1.0 % FS	/	●	/
20, 25 ºC	/	●	/
Up to 3	/	●	/
Yes	/	●	/
146.5 µS/cm, 1408 µS/cm, 12.85 mS/cm, 111.3 mS/cm	/	●	/
5.00Ω·cm ~ 20.00MΩ·cm	/	●	/
0.01Ω·cm minimum	/	●	/
±1.0 % FS	/	●	/
0.00mg/L ~ 300g/L	/	●	/
0.01mg/L minimum; changed with range	/	●	/
±1.0%	/	●	/
(0.00 ~ 8.00)%	/	●	/
0.01%	/	●	/
±0.2%	/	●	/

● INCLUDED   / NONE

310T Series Portable Meters

Ion

- 1-5 points calibration.
- Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, etc.
- Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

DO

- Support for air-saturated water or zero oxygen calibration.
- Automatic/Manual barometric pressure compensation.
- Manual Salinity Factor Correction.
- Selectable pressure unit, including kPa, mbar, Torr, Atm.

Large color touch screen
Easy operation and comfortable experience

Multiple external devices available
PC, printer

Wristbands
Safety hold

Tilting stand
Support better reading and operation

Model		
Parameters (up to 12)		
Dissolved Oxygen Concentration	Sensor Type	
	Range	
	Resolution	
	Accuracy	
	Calibration Reminder	
	Calibration Points	
	Barometric Compensation	
	Manual Salinity Factor Correction	
Saturation	Range	
	Resolution	
	Accuracy	
Temperature	Range	
	Unit	
	Resolution	
	Relative Accuracy	
Measurement	Reading Mode	
	Reading prompts	
	Temp. Compensation	
Data management	Data storage	
	GLP Features	
Inputs	pH Electrode	
	DO with Temp. Probe	
	Conductivity with Temp. Probe	
Outputs	USB	
Display options	Backlight	
	Auto Shut-down	
	IP Rating	
	Date and time	
General	Power	
	Dimensions	
	Weight	

M310T	PH310T	EC310T	I310T
pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/Temp. (mV)	EC/Temp. (Resistivity/TDS/Sal.)	pH/ISE/Temp. (mV/pX)
Polarographic	/	/	/
0.00 to 50.00 mg/L	/	/	/
0.01mg/L	/	/	/
±0.3mg/L	/	/	/
Yes	/	/	/
Air-saturated water or zero point	/	/	/
Yes	/	/	/
Yes	/	/	/
(0.0 to 300.0) %	/	/	/
0.1%	/	/	/
±10.0 %	/	/	/
-5 to 110 ºC, 23 to 230 ºF	●	●	●
ºC, ºF	●	●	●
0.1	●	●	●
±0.2	●	●	●
AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●
Reading, Stable, Locked	●	●	●
ATC, MTC	●	●	●
1000 results each	●	●	●
Yes	●	●	●
BNC(Q9)	●	/	●
4-pin aviation connector	●	/	●
5-pin aviation connector	/	●	/
USB 2.0 flash memory device, PC,scanner	●	●	●
Yes	●	●	●
300, 600, 1200, 1800, 3600sec, off	●	●	●
IP65	●	●	●
Yes	●	●	●
Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output	●	●	●
90 x 255 x 40 mm	●	●	●
500g (1.1 lb)	●	●	●

● INCLUDED   / NONE

310F Series Portable Meters

GENERAL FEATURES

● LCD display screen, 3.5 inches.
● Multi-reading feature allows auto-read, timed-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data capacity of up to 500 sets for each parameters (GLP-compliant).
● Support for USB communication.
● Auto-power off feature effectively extends the battery service life.
● Reset feature automatically resumes all settings back to factory default options.
● IP65 waterproof.

pH

● 1-5 points calibration with standard recognition.
● Selectable pH buffer groups, including NIST, DIN, GB.
● Automatic electrode diagnosis with pH slope and offset display.

Ion

● 1-5 points calibration.
● Selectable measurement unit, including μg/L, mg/L, g/L, mmol/L, pX, ppm, etc.
● Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
● Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc.; user-defined method is supported.

Conductivity

● 1-3 points calibration with standard recognition.
● Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
● Temperature compensation type (none, linear, pure water).

DO

● Support for air-saturated water or zero oxygen calibration.
● Auto barometric pressure compensation.
● Manual Salinity Factor Correction.
● Selectable pressure unit, including kPa, mbar, Torr, Atm.

Assortment of accessories
Make the detection more accurate
The suitcase is optional

Easy-operate system
Multi parameters can be monitoring

Optional silicone rubber case
Provide shock absorption function to avoid falling damage

Model	M310F	M310F-A	PH310F	EC310F	DO310F
Parameters (up to 12)	pH/EC/ISE/DO/Temp. (mV/pX/Resistivity/TDS/Sal. / DO Saturation)	pH/EC/ISE/Temp. (mV/pX/Resistivity/ TDS/Sal.)	pH/Temp. (mV)	EC/Temp. (Resistivity/ TDS/Sal.)	DO/Temp. (DO Saturation)
pH Range	-2.00 to 20.00pH	●	●	/	/
Resolution	0.1, 0.01 pH	●	●	/	/
Accuracy	±0.02 pH	●	●	/	/
Calibration Points	Up to 5	●	●	/	/
Standard customization	Yes	●	●	/	/
Standard recognition	NIST, GB and DIN buffers	●	●	/	/
mV Range	-2000.0 to 2000.0 mV	●	●	/	/
Resolution	0.1	●	●	/	/
Accuracy	±0.3 mV or ±0.1 % of reading whichever is greater	●	●	/	/
pX Range	-2.00 to 20.00	●	/	/	/
Resolution	0.1, 0.01 pX	●	/	/	/
Accuracy	±0.02 pX	●	/	/	/
Calibration Points	Up to 5	●	/	/	/
ISE Range	1E-9 to 9.999E9	●	/	/	/
Units	mol/L, mmol/L, g/L, mg/L, µg/L	●	/	/	/
Resolution	Up to 4 significant digits	●	/	/	/
Accuracy	±0.5 %	●	/	/	/
Calibration Points	Up to 5	●	/	/	/
Conductivity Range	0.000 µS/cm to 500 mS/cm	●	/	●	/
Resolution	0.001 µS/cm minimum;changed with range	●	/	●	/
Accuracy	±1.0 % FS	●	/	●	/
Reference Temperature	20, 25 ºC	●	/	●	/
Calibration Points	Up to 3	●	/	●	/
Standard recognition	146.5µS/cm,1408µS/cm, 12.85mS/cm,111.3mS/cm	●	/	●	/
Resistivity Range	5.00Ω·cm ~ 20.00MΩ·cm	●	/	●	/
Resolution	0.01Ω·cm minimum	●	/	●	/
Accuracy	±1.0 % FS	●	/	●	/
TDS Range	0.00mg/L ~ 300g/L	●	/	●	/
Resolution	0.01mg/L minimum; changed with range	●	/	●	/
Accuracy	±1.0%	●	/	●	/
Salinity Range	(0.00 ~ 8.00)%	●	/	●	/
Resolution	0.01%	●	/	●	/
Accuracy	±0.2%	●	/	●	/
Dissolved Oxygen Concentration Sensor Type	Polarographic	/	/	/	●
Range	0.00 to 50.00 mg/L	/	/	/	●
Resolution	0.01mg/L	/	/	/	●
Accuracy	±0.3mg/L	/	/	/	●
Calibration Points	Air-saturated water or zero point	/	/	/	●
Barometric Compensation	Yes	/	/	/	●
Manual Salinity Factor Correction	Yes	/	/	/	●
Saturation Range	(0.0 to 300.0) %	/	/	/	●
Resolution	0.1%	/	/	/	●
Accuracy	±10.0 %	/	/	/	●
Temperature Range	-5 to 110 ºC, 23 to 230 ºF	●	●	●	●
Unit	ºC, ºF	●	●	●	●
Resolution	0.1	●	●	●	●
Relative Accuracy	±0.2	●	●	●	●
Measurement Reading Mode	AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●	●
Reading prompts	Reading, Stable, Locked	●	●	●	●
Temp. Compensation	ATC, MTC	●	●	●	●
Data management Data storage	500 results each	●	●	●	●
GLP Features	Yes	●	●	●	●
Inputs pH Electrode	BNC(Q9)	●	●	/	/
DO with Temp. Probe	4-pin aviation connector	●	●	/	●
Conductivity with Temp. Probe	5-pin aviation connector	●	/	●	/
Outputs USB	PC,printer	●	●	●	●
Display options Backlight	Yes	●	●	●	●
Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●	●	●	●
IP Rating	IP65	●	●	●	●
Date and time	Yes	●	●	●	●
General Power	Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output	●	●	●	●
Dimensions	80 x 255 x 35 mm	●	●	●	●
Weight	400g (0.88 lb)	●	●	●	●

● INCLUDED   / NONE

Electrochemical Instrument &
Water Quality Analysis expert

210E Series Portable Meters

GENERAL FEATURES

● LCD display screen, 3.5 inches.
● Multi-reading feature allows auto-read and continuous-read.
● Automatic/Manual temperature compensation ensures accurate results.
● Auto-hold feature senses and locks the measurement endpoint.
● Data capacity of up to 200 sets for each parameters.
● Auto-power off feature effectively extends the battery service life.
● Reset feature automatically resumes all settings back to factory default options.
● IP65 waterproof.

PH210E Portable pH Meter

● 1-3 points calibration with standard recognition.
● Automatic/Manual temperature compensation ensures accurate results.

EC210E Portable Conductivity Meter

● 1 point calibration with standard recognition.
● Cell constant is settable.
● Automatic/manual temperature compensation ensures accurate results.

DO210E Portable Dissolved Oxygen Meter

● Support for air-saturated water or zero oxygen calibration.
● Manual barometric pressure compensation.
● Manual Salinity Factor Correction.

Adjustable backlight intensity   **Easy to operate**

Model		PH210E
Parameters		pH/Temp.(mV)
pH	Range	-2.00 to 18.00 pH
	Resolution	0.01pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 3
	Auto standard recognition	NIST buffers
mV	Range	-1999 to 1999 mV
	Resolution	1 mV
	Accuracy	±0.1 %FS
Temperature	Range	-5 to 110 ºC, 23 to 230 ºF
	Unit	ºC, ºF
	Resolution	0.1
	Relative Accuracy	±0.2
Measurement	Reading Mode	AutoRead, Continuous
	Reading prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data storage	200 results each
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	4-pin aviation connector
Display options	Backlight	Yes
	Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off
	IP Rating	IP65
General	Power	Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output
	Dimensions	80 x 255 x 35 mm
	Weight	400g (0.88 lb)

Model	EC210E
Parameters	EC/Temp.(mV)
Conductivity — Range	0.00 μS/cm to 200 mS/cm
Conductivity — Resolution	0.01 μS/cm minimum; changed with range
Conductivity — Accuracy	±1.0 % FS
Conductivity — Reference Temperature	25 ºC
Conductivity — Calibration Points	Up to 1
Conductivity — Standard recognition	146.5μS/cm,1408μS/cm,12.85mS/cm,111.3mS/cm
TDS — Range	0.00mg/L ～ 300g/L
TDS — Resolution	0.01mg/L minimum; 3 significant digits
TDS — Accuracy	±1.0%
Temperature — Range	-5 to 110 ºC, 23 to 230 ºF
Temperature — Unit	ºC，ºF
Temperature — Resolution	0.1
Temperature — Relative Accuracy	±0.2
Measurement — Reading Mode	AutoRead, Continuous
Measurement — Reading prompts	Reading, Stable, Locked
Measurement — Temp. Compensation	ATC, MTC
Data management — Data storage	200 results each
Inputs — Conductivity with Temp. Probe	5-pin aviation connector
Display options — Backlight	Yes
Display options — Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off
Display options — IP Rating	IP65
General — Power	Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output
General — Dimensions	80 x 255 x 35 mm
General — Weight	400g (0.88 lb)

Model	DO210E
Parameters	DO/Temp. (DO Saturation)
Dissolved Oxygen Concentration — Sensor Type	Polarographic
Dissolved Oxygen Concentration — Range	0.00 to 20.00 mg/L
Dissolved Oxygen Concentration — Resolution	0.01mg/L
Dissolved Oxygen Concentration — Accuracy	±0.3mg/L
Dissolved Oxygen Concentration — Calibration Points	Air-saturated water or zero point
Dissolved Oxygen Concentration — Barometric Compensation	yes
Dissolved Oxygen Concentration — Manual Salinity Factor Correction	yes
Saturation — Range	（0.0 to 200.0）%
Saturation — Resolution	0.1%
Saturation — Accuracy	±10.0 %
Temperature — Range	-5 to 110 ºC, 23 to 230 ºF
Temperature — Unit	ºC，ºF
Temperature — Resolution	0.1
Temperature — Relative Accuracy	±0.2
Measurement — Reading Mode	Auto Read, Continuous
Measurement — Reading prompts	Reading, Stable, Locked
Measurement — Temp. Compensation	ATC, MTC
Data management — Data storage	200 results each
Inputs — DO with Temp. Probe	4-pin aviation connector
Display options — Backlight	Yes
Display options — Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off
Display options — IP Rating	IP65
General — Power	Rechargeable Lithium batter; AC Adapter, 100-240 VAC input, DC5V output
General — Dimensions	80 x 255 x 35 mm
General — Weight	400g（0.88 lb）

110B Series Portable Meters

GENERAL FEATURES

● LCD display screen, 3.5 inches.
● Reset feature automatically resumes all settings back to factory default options.
● Auto-power off feature effectively extends the battery service life.
● IP65 waterproof.

PH110B Portable pH Meter

● 1-2 points calibration with standard recognition.
● Manual temperature compensation ensures accurate results.

EC110B Portable Conductivity Meter

● Cell constant is settable.
● Manual temperature compensation ensures accurate results.

Easy to operate

Electrode holder

Model		PH110B
Parameters		pH(mV)
pH	Range	-2.00 to 14.00 pH
	Resolution	0.01pH
	Accuracy	±0.01pH
	Calibration Points	Up to 2
	Standard recognition	NIST buffers
mV	Range	-1800 to 1800 mV
	Resolution	1 mV
	Accuracy	±0.1%FS
Measurement	Reading Mode	Continuous
	Reading prompts	Reading, Stable
	Temp. Compensation	MTC
Inputs	pH Electrode	BNC(Q9)
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
General	Power	Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output
	Dimensions	80 x 255 x 35 mm
	Weight	400g （0.88 lb)

Model		EC110B
Parameters		EC
Conductivity	Range	0.00 µS/cm to 100 mS/cm
	Resolution	0.01 µS/cm minimum; changed with range
	Accuracy	±1.0 % FS
	Reference Temperature	25 ºC
Measurement	Reading Mode	Continuous
	Reading prompts	Reading, Stable
	Temp. Compensation	MTC
Inputs	Conductivity	5-pin aviation connector
Display options	Backlight	Yes
	Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off
	IP Rating	IP65
General	Power	Rechargeable Lithium batter; AC Adapter，100-240 VAC input, DC5V output
	Dimensions	80 x 255 x 35 mm
	Weight	400g （0.88 lb)

Ti-50 Automatic Potential Titrator

FEATURES

- 7" colorful touchscreen and smart guide system.
- Titration methods, curves and results are displayed in detail.
- 1 extra burette driver can be installed (optional).
- Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- Intelligent operation system provides features including user management, method management, electrode management, titrant management, data management, etc.
- Support titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- pH calibration and measurement are supported.
- Up to 100 user-defined methods and 10 user-defined shortcuts.
- Auto calculation with pre-defined formula.
- Store up to 200 titration data sets (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Data can be easily transferred to printer via RS-232 communication interface.
- Titrator can be controlled by computer via USB or RS-232 communication interface.
- Automatic sampler is supported.

Model		Ti-50
Burette	Titrimetric Repeatability	0.20%
	Accuracy	10ml Burette: ±0.025ml 20ml Burette: ±0.035ml
	Resolution	10ml Burette: 0.33μl 20ml Burette: 0.66μl
Mechanical Unit	Resolution	1/30000
	Charging speed	(55±10) s (Full burette)
Measuring Unit	Range	(-1999.0 ～ 1999.0) mv, (0.00 ～ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ～ 105.0) ℃
	Resolutions	0.1 ℃
	Accuracy	±0.3 ℃
General	Power Supply	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10

Ti-40 Automatic Potential Titrator

FEATURES

- LCD display screen and smart guide system.
- Titration methods, curves and results are displayed in detail.
- Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- Support titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- pH calibration and measurement are supported.
- Store up to 50 titration data sets (GLP-compliant) and 1 latest set of titration curve.
- Data can be easily transferred to printer via RS-232 communication interface..
- Titrator can be controlled by computer via USB or RS-232 communication interface.

Model		Ti-40
Burette	Titrimetric Repeatability	0.2%
	Accuracy	10ml Burette: ±0.025ml 20ml Burette: ±0.035ml
	Resolution	10ml Burette: 1μl 20ml Burette: 2μl
Mechanical Unit	Resolution	1/10000
	Charging speed	(55±10) s (Full burette)
Measuring Unit	Range	(-1800.0 ～ 1800.0) mv, (0.00 ～ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ～ 105.0) ℃
	Resolutions	0.1 ℃
	Accuracy	±0.3 ℃
General	Power Supply	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10

Ti-20 Potential Titrator

FEATURES

- LCD display screen.
- Support titration modes: SET (Preset Endpoint Titration) and MAT (Manual titration).
- ST-10 Stirrer is included.
- Glass burette can be used for volume measurement (prepared by user).

Model		Ti-20
Measuring Unit	Range	(0 ～ ±1400) mv, (0 ～ 14.00)pH
	Resolutions	1mV, 0.01pH
	Accuracy	pH: ±0.03pH, mv: ±5mV
	Fluctuation	±0.01pH /3h
General	Power supply	AC Adapter, 200-240 VAC input
	Dimension (mm)& Weight (kg)	300×235×100, 3

KFT-40VC Karl Fischer Titrator

Coulometric electrolytic cup
Suitable for micro moisture samples

Sample titrate unit
Suitable for constant moisture samples

Volumetric Karl Fischer Titration

● Support KF Titration Mode and Titer Detection Mode.
● Features of auto-filling, auto-purging and auto-mixing of the reagents ensure safe handling of Karl Fischer chemicals.
● Automatic/manual background drift correction ensures accurate results.
● Selectable units including mg, mg/L, %, ppm, etc.
● Settable parameters, including measurement unit, polarization current, stirring rate, titration rate, stop volume, endpoint potential, stop criterion and etc.
● Store up to 200 titration data sets (GLP-compliant).

Coulometric Karl Fischer Titration

● Generator cell with diaphragm.
● Automatic/manual background drift correction ensures accurate results.
● Selectable units including μg、mg、%、ppm、mg/L、μg/mL, etc.
● Settable parameters, including measurement unit, polarization current, stirring rate, generator current, endpoint potential, stop criterion and etc.
● Store up to 200 titration data sets (GLP-compliant).

GENERAL FEATURES

● LCD display screen.
● Titration methods, curves and results are displayed in detail.
● Volumetric KF Titration and Coulometric KF Titration are supported.
● Data analysis feature helps user review and compare results.
● Data can be easily transferred to printer via RS-232 communication interface.
● Reset feature automatically resumes all settings back to factory default options.

Model		KFT-40VC
Volumetric Titration	Range	(0.1mg 〜 250)mg
	Polarization Current Accuracy	1μA±0.2μA, 50μA±10μA
	Repeatability	±0.5%
Coulometric Titration	Range	10μg~20mg
	Polarization Current Accuracy	1μA±0.2μA, 50μA±10μA
	Electrolytic Current	10mA, 20mA, 50mA, 100mA
	Accuracy	± (5%+3) μg
	Repeatability	RSD of 100μg sample measurement result ≤3%
General	Power supply	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10

KFT-40C Karl Fischer Titrator

FEATURES
- LCD display screen.
- Support KF Titration Mode and Titer Detection Mode.
- Features of auto-filling, auto-purging and auto-mixing of the reagents ensure safe handling of Karl Fischer chemicals.
- Selectable units including mg, mg/L, %, ppm, etc.
- Settable parameters, including measurement unit, polarization current, stirring rate, titration rate, stop volume, endpoint potential, stop criterion and etc.
- Store up to 200 titration data sets (GLP-compliant).
- Data can be easily transferred to printer via RS-232 commnication interface.
- Reset feature automatically resumes all settings back to factory default options.

Model		KFT-40C
Volumetric Titration	Range	0.1mg ～ 250mg
	Resolution	0.1mg
	Polarization Current Accuracy	1μA±0.2μA, 50μA±10μA
	Repeatability	±0.5%
General	Power supply	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10

KFT-20V Karl Fischer Coulometer

FEATURES
- LCD display screen.
- Generator cell with diaphragm.
- Selectable units including μg、mg、%、mg/L、g/L, etc.
- Settable parameters, including measurement unit, polarization current, generator current, endpoint potential, stop criterion and etc.
- Data can be stored and easily transferred to printer via RS-232 communication interface.
- Reset feature automatically resumes all settings back to factory default options.

Model		KFT-20V
Coulometric Ttration	Range	10ug ～ 20mg
	Polarization Current Accuracy	±0.2μA
	Eeletrolytic Current	10mA, 20 mA, 50 mA, 100 mA
	Working Current Accuracy	0.5%
	Accuracy	± (5%+3) μg
	Repeatability	±3%
General	Power supply	AC Adapter, 200-240 VAC input
	Dimension (mm)& Weight (kg)	300×235×100, 3

TU4000E Benchtop Turbidity Meter

FEATURES

- 7" colorful touchscreen.
- Tungsten lamp light source met USEPA 180.1 requirement.
- 1-8 points calibration using Formazin standards or zero water.
- Autoranging from 0-4000 NTUs.
- Data storage capacity of 1000 sets (GLP-compliant).
- Data stored can be transferred into the computer by USB or RS-232 communication interface.
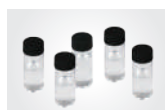- Reset feature automatically resumes all settings back to factory default options.

Meter includes
5pcs turbidity bottles

Model		TU4000E
Measuring Unit	Range	(0.000 ～ 20.00) NTU, (20.01 ～ 200.0) NTU, (200 ～ 2000) NTU, (2001 ～ 4000) NTU
	Accuracy	≤ ±6%
	Repeatability	≤0.5%
	Fluctuation	≤ ±0.5% FS/30min
General	Power supply	AC Adapter, 200-240 VAC input
	Dimension (mm)& Weight (kg)	358×323×160, 8

TU1000/TU200 Benchtop Turbidity Meter

TU1000

- 1-7 points calibration using Formazin standards or zero water.
- Autoranging from 0-1000 NTUs.
- Data capacity of up to 2000 sets (GLP-compliant).
- Data stored can be transferred into the computer by USB or RS-232 communication interface.

TU200

- 1-5 points calibration using Formazin standards or zero water.
- Autoranging from 0-200 NTUs.

GENERAL FEATURES

- 880nm LED Light Source.
- Uses Nephelometric principle with 90° detection.
- Meets ISO 7027 and offers consistent light source for higher accuracy.
- Selectable turbidity units, including the NTU, FNU and EBC.
- Settable parameters, including user ID, number of calibration points, data and time, etc.

Meter includes
5pcs turbidity bottles

Model		TU1000	TU200
Measuring Unit	Range	(0 ～ 20.00) NTU, (20.0 ～ 200.0) NTU (200~1000) NTU	(0 ～ 20.00) NTU, (20.0 ～ 200.0) NTU
	Accuracy	≤ ±6%	≤ ±8%
	Repeatability	≤0.5%	≤1.0%
	Fluctuation	≤ ±0.5% FS/30min	≤ ±1.0% FS/30min
General	Power supply	AC Adapter, 200-240 VAC input	●
	Dimension (mm)& Weight (kg)	330×250×130, 2.5	●

● Included

TU1000P/TU200P Portable Turbidity Meter

GENERAL FEATURE

- 850nm LED light Source.
- Uses Nephelometric principle with 90° detection.
- Meets ISO 7027 and offers consistent light source for higher accuracy.
- Selectable turbidity units, including the NTU, FNU and EBC.
- Settable parameters, including user ID, number of calibration points, data and time, etc.
- Auto-power-off feature effectively extends the battery usage time.
- IP65 waterproof.

Meter includes
5 pcs turbidity bottles

TU1000P
- 1-7 points calibration using Formazin standards or zero water.
- Autoranging from 0-1000 NTUs.
- Data capacity of up to 2000 sets (GLP-compliant).
- Data stored can be transferred into the computer by USB or RS-232 communication interface.

TU200P
- 1-4 points calibration using Formazin standards or zero water.
- Autoranging from 0-200 NTUs.

Model		TU1000P	TU200P
Measuring Unit	Range	(0 ～ 20.00) NTU, (20.0 ～ 200.0) NTU (200 ～ 1000) NTU	(0 ～ 20.00) NTU, (20.0 ～ 200.0) NTU
	Resolution	0.01NTU, 0.1NTU, 1NTU	0.01NTU, 0.1NTU, 1NTU
	Accuracy	≤ ±6%	≤ ±8%
	Repeatability	≤0.5%	≤1.0%
	Fluctuation	≤ ±0.5% FS/30min	≤ ±1.0% FS/30min
General	Power supply	AA Battery, AC Adapter 200-240 VAC input DC5V output	●
	Dimension (mm)&Weight (kg)	100×220×80,0.8	●

● INCLUDED   / NONE

COD-100 Benchtop COD Meter

FEATURES

- COD analysis in accordance with EPA 410.4 and ISO 15705:2002 standards.
- LCD display screen.
- 2 LED light sources for different COD testing ranges.
- 2-point calibration.
- Data capacity of up to 200 sets GLP-compliant.
- Data stored can be transferred into the computer by USB communication interface.

COD-100R Reactor

Meter includes
21 pcs digestion tubes, other accessories

FEATURES

- 21 samples at a time.
- Settable heating temperature between 100 ～ 160 ℃.
- Settable heating time between 0 ～ 120 min.
- Transparent plastic protection shield is equipped to protect the operator.

Model		COD-100
Measuring Unit	Range	(0 ～ 150)mg/L,(0 ～ 1500)mg/L
	Accuracy	±8%
	Repeatability	3%
	Fluctuation	6mg/L (20min)
General	Power supply	AC Adapter, 200-240 VAC input
	Dimension (mm)& Weight (kg)	COD-100: 315×225×100, 2; COD-100R: 330×228×132, 4

Electrode Stands

The electrode arm with 360 degree rotation and vertical adjustment can be operated using only one hand.

Supports the simultaneous use of up to 4 electrodes

REX-6

REX-5

Electrochemical Meters	Electrode Stand	
	REX-6	REX-5
600L Series	●	/
500T Series	●	/
400F Series	/	●
300F Series	/	●
200E Series	/	●
100B Series	/	/

● INCLUDED   / NONE

Carrying case

Mobile Lab, Simple and Reliable
Carry it with one hand

Safe and firm
Protect the instrument outdoors

Electrochemical Meters	Carrying case
510T Series	●
310T Series	●
310F Series	●
210E Series	/
110B Series	/

Turbidity Meters	Carrying case
TU1000P	●
TU200P	●

● INCLUDED   / NONE

Standards

Standard Powder Sachets

Standard Solution Sachets

Standard Solution

Standard pH buffer solutions (pH value at 25℃)	4.01	250mL
	7.00	250mL
	10.01	250mL
	4.01	30 sachets 20 mL
	7.00	30 sachets 20 mL
	10.01	30 sachets 20 mL
PHR-USA	pH buffer sachets 4.01/7.00/10.01	Each bag of powder can be prepared into 250ml standard solution. （3×5）
PHR-NIST	pH buffer sachets 4.01/6.86/9.18	Each bag of powder can be prepared into 250ml standard solution. （3×5）
Conductivity standards	111.3ms/cm	250mL
	12.85ms/cm	250mL
	1408μs/cm	250mL
	146.5μs/cm	250mL
	84μs/cm	250mL
	12.85ms/cm	30 sachets 20 mL
	1408μs/cm	30 sachets 20 mL
	146.5μs/cm	30 sachets 20 mL
Electrolytes for reference electrodes	KCl-solution 3 mol/L, AgCl saturated, for Ag/AgCl reference systems	100ml （3 M KCl）
		250ml （3 M KCl）
		Powder （3 M KCl）

PH ELECTRODE SELECTION GUIDE

Model	Name	pH Range	Fill Solution	Sensor material	Working Temp.	Junction material	Reference Type	Dimension	Connector Type
E-301-QC	3 in 1 pH Composite Electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 ℃	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)& 4-pin aviation
E-201-C	pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 ℃	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
E-201F	pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 ℃	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
E-201	pH composite electrode	0 ~ 14	unfillable	Polycarbonate	5~60 ℃	Single polyformalde-hyde (POM)	Ag/AgCl	Φ12×120 mm	BNC(Q9)
E-201-Z	pH composite electrode (Blade spear)	0 ~ 10	unfillable	POM	5~60 ℃	Single polyformalde-hyde (POM)	Ag/AgCl	Φ16×150 mm	BNC(Q9)
E-201-P	pH composite electrode (Flat)	0 ~ 14	3 M KCl	Polycarbonate	5~60 ℃	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
65-1C	pH composite electrode	0 ~ 14	3 M KCl	Glass	5~60 ℃	Single ceramic	Ag/AgCl	Φ12×120 mm	BNC(Q9)
231-01	pH indicator electrode	0 ~ 14	/	Glass	5~60 ℃	/	/	Φ12×120 mm	BNC(Q9)
962201	pH composite electrode (Premium)	0 ~ 14	3 M KCl	Glass	0~80 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7
962103	pH composite electrode (Open)	0 ~ 14	unfillable	Polycarbonate	0~80 ℃	Open	Longlife Ref.	Φ12×120 mm	BNC(Q9)
962221	pH composite electrode (Ultrapure water)	0 ~ 11	3 M KCl	Glass	0~80 ℃	Unmovable glass grinding mouth	Longlife Ref.	Φ12×185mm	S7
962121	pH composite electrode (Low conductivity)	0 ~ 11	unfillable	Epoxy	0~80 ℃	Porous PTFE	Longlife Ref.	Φ12×120 mm	S7
962241	pH composite electrode (Spear Tip)	0 ~ 14	3 M KCl	POM&316 stainless steel	0~60 ℃	Ceramic	Longlife Ref.	Φ11×80 mm (Measuring tip)	BNC(Q9)
962242	pH composite electrode (Flat)	1 ~ 12	3 M KCl	Glass	0~60 ℃	Unmovable glass grinding mouth	Longlife Ref.	Φ12×120 mm	S7
962244	pH composite electrode (Long and thin)	0 ~ 14	3 M KCl	Glass	0~60 ℃	Ceramic	Longlife Ref.	Φ6×100 mm (Measuring tip)	S7
962243	pH composite electrode (Long)	0 ~ 14	3 M KCl	Glass	0~80 ℃	Ceramic	Longlife Ref.	Φ12×260 mm	S7
962102	pH composite electrode (Cleanable)	0 ~ 14	3 M KCl	Epoxy	0~80 ℃	movable plastic grinding mouth	Longlife Ref.	Φ12×120 mm	BNC(Q9)
962223	pH composite electrode (RoHS)	0 ~ 14	3 M KCl	Lead-free glass	0~80 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7
962224	pH composite electrode (High temperature resis-tance)	0 ~ 14	3 M KCl	Glass	0~100 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7
962245	pH composite electrode (Alkali resistance)	0 ~ 14	3 M KCl	Glass	0~80 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7
962122	pH composite electrode (Hydrofluoric acid)	2 ~ 11	3 M KCl	pp	0~60 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7
962246	pH composite electrode (Hy-drofluoric acid resistance)	0 ~ 14	3 M KCl	Glass	0~100 ℃	Ceramic	Longlife Ref.	Φ12×120 mm	S7

EC ELECTRODE SELECTION GUIDE

Model	Type	Measurement Range	Sensor material	Working Temp.	Dimension	Connector
DJS-1VC	k=1	2 ~ 20000 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation
DJS-1VTC	k=1, ATC	2 ~ 20000 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation
DJS-1VG	k=1	2 ~ 3000 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation
DJS-1VTG	k=1, ATC	2 ~ 3000 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation
DJS-0.1VTG	k=0.1, ATC	0.05 ~ 200 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation
DJS-0.01VT	k=0.01, ATC	0 ~ 2 μS/cm	Titanium alloy	0~80 ℃	Φ18×50 mm	5-pin aviation
DJS-0.01VT	k=0.01, ATC, with removable flow cell	0 ~ 2 μS/cm	Titanium alloy	0~80 ℃	Φ18×50 mm	5-pin aviation
DJS-10VTC	k=10, ATC	2000 ~ 200000 μS/cm	Glass	0~80 ℃	Φ12×120 mm	5-pin aviation

E-201F   E-301-QC   962221   962102   962241   962242   DJS-1VC   DJS-1VTC   DJS-0.01VT

701　　PNH3-1-01　　972102　　PF-3-01　　PCI-1-01　　PK-1-01

PH ELECTRODE SELECTION GUIDE

Model	Species	Measuring range	Membrane	Body	Dimension	Working Temp.	Connector	Junction	Reference Electrolyte	Reference Type	Working pH
701	Sodium (Na$^+$)	10^{-1}M~10^{-6}M	G	G	Φ12×120 mm	5~45 ℃	BNC(Q9)	Ceramic	1 M NH$_4$Cl	Ag/AgCl	/
PF-202-C	Fluoride (F$^-$)	10^{-1}M~10^{-5}M	C	P	Φ12×120 mm	5~45 ℃	BNC(Q9)	Fabric	3 M KCl	Ag/AgCl	/
PF-202	Fluoride (F$^-$)	10^{-1}M~10^{-5}M	C	P	Φ12×120 mm	5~60 ℃	BNC(Q9)	POM	U	Ag/AgCl	
PNH3-1-01	Ammonia (NH$_3$)	10^{-1}M~$5×10^{-6}$M	G	P	Φ12×120 mm	5~45 ℃	BNC(Q9)	/	/	/	/
972101	Fluoride (F$^-$)	$1.0×10^{-6}$M ~ saturation	C	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	5-7
972102	Chloride (Cl$^-$)	$5.0×10^{-5}$M ~ 1.0M	S	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2-12
972103	Bromide (Br$^-$)	$2.0×10^{-6}$M ~ 1.0M	S	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2-13
972104	Iodide (I$^-$)	$1.0×10^{-7}$M ~ 1.0M	S	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	0-12
972105	Cupric (Cu^{2+})	$1.0×10^{-7}$M ~ 0.1M	S	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2-12
972106	Lead (Pb^{2+})	$1.0×10^{-6}$M ~ 0.1M	S	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	4-7
972209	Sodium (Na$^+$)	$1.0×10^{-6}$M ~ saturation	G	G	Φ12×120 mm	0~80 ℃	S7	Separate ring grinding mouth glass	S	ClickOk Ref.	6-12
972121	Potassium (K$^+$)	$1.0×10^{-6}$M ~ 1.0M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2.5-11
972122	Ammonium (NH$_4^+$)	$1.0×10^{-6}$M ~ 1.0M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2-9
972123	Nitrate (NO$_3^-$)	$1.0×10^{-5}$M ~ 1.0M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2.5-11
972124	Calcium (Ca^{2+})	$5×10^{-7}$M ~ 1.0M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2.5-11
972125	Fluoroborate(BF$_4^-$)	$1.0×10^{-6}$M ~ 0.1M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	2.5-11
972126	Perchlorate (ClO$_4^-$)	10^{-1}M ~ 10^{-5}M	P	P	Φ12×120 mm	0~80 ℃	BNC(Q9)	Separate ring grinding mouth glass	S	ClickOk Ref.	6-12
972140	Ammonia(NH$_3$)	$1.0×10^{-6}$M~1.0M	G	P	Φ12×120 mm	0~50 ℃	BNC(Q9)	/	/	/	>11
972150	Residual chlorine	(0.01-20) ppm (Cl2)	S	P	Φ12×120 mm	0~60 ℃	BNC(Q9)	/	/	/	4

Membrane: C Crystalline state membrane; S Solid state membrane; P polymer membrane; G glass
Membrane Body: P Plastic; O Organic glass; G Glass.
Reference Electrolyte: U Unfillable; S Special solution.

ION SELECTIVE ELECTRODES

Model	Species	Measuring range (mol/L)	Membrane	Body	Dimension	Working Temp.	Connector
PF-2-01	Fluoride (F$^-$)	10^{-1}~10^{-6}	C	P	Φ12×120 mm	5~45 ℃	BNC(Q9)
PF-3-01	Fluoride (F$^-$)	10^{-1}~10^{-6}	C	G	Φ12×120 mm	5~45 ℃	BNC(Q9)
PCI-1-01	Chloride (Cl$^-$)	10^{-1}~$5×10^{-5}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PBr-1-01	Bromide (Br$^-$)	10^{-1}~$5×10^{-6}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PI-1-01	Iodide (I$^-$)	10^{-1}~$5×10^{-7}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PK-1-01	Potassium (K$^+$)	10^{-1}~10^{-5}	P	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PCa-1-01	Calcium (Ca^{2+})	10^{-1}~10^{-5}	P	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PCu-1-01	Cupric (Cu^{2+})	10^{-1}~$5×10^{-7}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PPb-1-01	Lead (Pb^{2+})	10^{-1}~$5×10^{-7}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PNO3-1-01	Nitrate (NO$_3^-$)	10^{-1}~10^{-5}	P	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PClO4-1-01	Perchlorate (ClO$_4^-$)	10^{-1}~10^{-5}	P	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PAg/S-1-01	Silver/Sulfide (Ag$^+$/S^{2-})	10^{-1}~$3×10^{-7}$	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PBF4-1-01	Fluoroborate (BF$_4^-$)	10^{-1}~$3×10^{-6}$	P	P	Φ12×120 mm	5~60 ℃	BNC(Q9)
PCN-1-01	Cyanide (CN$^-$)	10^{-2}~10^{-6}	S	P	Φ12×120 mm	5~60 ℃	BNC(Q9)

DISSOLVED OXYGEN ELECTRODES

Model	Name	Type	Measurement Range	Sensor material	Working Temp.	Dimension	Connector
DO-957-Q	Polarographic DO electrode	DO&Temp.	0.0 ~ 20 mg/L	ABS	5~40 ℃	Φ12×120 mm	4-pin aviation
DO-958-Q	Polarographic DO electrode	DO&Temp.	0.00 ~ 50.00 mg/L	ABS	5~40 ℃	Φ12×120 mm	4-pin aviation
DO-960-Q	Optical DO electrode	DO&Temp.	0.00 ~ 20.00 mg/L	POM	5~40 ℃	Φ16×180 mm	4-pin aviation

TEMPERATURE PROBES

Model	Measurement Range	Connector Type	Sensor material	Dimension	Temp. Compensation Unit
T-818-Q	-5~105 ℃	4-pin aviation	316 stainless steel	Φ4×120 mm	2.25KΩ
T-818-A-6	-5~105 ℃	BNC（Q6）	316 stainless steel	Φ4×120 mm	PT-100
T-820D	-5~105 ℃	BNC（Q6)	316 stainless steel	Φ4×120 mm	PT-1000

REFERENCE ELECTRODES

Model	Type of electrode	Connector Type	Fill Solution	junction material	Sensor material	Dimension	Work Temperature
232-01	Saturated double junction calomel electrode	U shape	Saturated KCl solution (inner solution) + solution (Flexible choose)	ceramic	Glass	Φ12×120 mm	5~55 ℃
217-01	Saturated single-junction calomel electrode	U shape	Saturated KCl solution	ceramic	Glass	Φ12×120 mm	5~55 ℃

OTHER ELECTRODES

Model	Name	Connector Type	Sensor material	Dimension	Measuring unit material	Work Temperature
213-01	Platinum electrode	BNC(Q9)	Glass	Φ12×120mm	Platinum	0~50 ℃
216-01	Silver electrode	BNC(Q9)	ABS	Φ12×120mm	Silver	0~50 ℃

Model	Name	Connector Type	Sensor material	Dimension	Fill Solution	Work Temperature
501	ORP electrode	BNC(Q9)	Glass	Φ12×120mm	3 M KCl	5~70 ℃
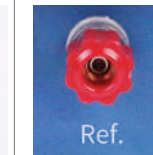
DO-958-Q   T-818-Q   217-01   231-01   501

CONNECTORS

pH/ISE Probe Connector: BNC(Q9)		EC Probe Connector: 5-pin aviation		Temp./DO Probe Connector: 4- pin aviation		Ref. Electrode Connector: U shaped	
On meter	On probe	On meter	On probe	On meter	On probe	On meter	On probe

PH ELECTRODE SELECTION GUIDE

Application	Sample Type	Premium 962201	Alkali resistance 962245	Cleanable 962102	Open 962103	Low conductivity 962121	HF acid 962122	HF acid resistance 962246	Ultrapure water 962221	High temp. resistance 962224	Spear 962241	Flat 962242	Long 962243
Aqueous Solution	Dilute acidtiy /Dilute alkaline	●			●								
	Fertilizer	●			●								
	Aldehydes ketones, alcohols, ethers, etc								●				
	Fixing solution/electroplating solution	○		○									
Food	Yogurt/Cheese/butter			●	●								
	Jam			●	●								
	Cooking oils			●									
	Soy sauce/vinegar	●			●								
	Meat/fish										●	●	
	Fruit/vegetable										●	●	
	Paste										●	●	
Beverage	Beer/juice/Coffee/Carbonated drink	●			●								
	Pure/ion-exchange water(approx. 1 µS/cm)/ Distilled water (approx. 5 µS/cm)					●			●				
Pharmaceutical/ biological sample	Plasma/gastric juice/Urine	●										●	
	Pharmaceutical formulation	●										●	
	Protein-containing sample/Enzyme solution/ Agar medium	●										●	
	Pure/ion-exchange water (approx. 0.1 mS/m)/ Distilled water (approx. 0.5 mS/m)								●				
	Water for injection								●				
	Tris buffer	●										●	
	Microtube/plate (> 50 µL)/Micro container/Tube												●
Chemical reagent/ solvent	Dye/coloring agent/ink			●	●								
	Water-based paint/Varnish/Coating/latex			●	●								
	Sizing agent			●	●								
	Bleaching liquid/rinses/plating solution			●	●								
	Boiler water					●			●				
	Leather/paper/textile											●	
Cosmetic/lotion	Gel/soap/shampoo/Hairdye/lotion			●	●								
	Skin											●	
Environmental monitoring	Tap/drinking water (approx. 100 µS/cm)					●			●				
	Surface water/underground water					●			●				
	municipal wastewater			●	●								
	Strong acidity(pH <1)	●											
	Strongly alkaline(pH >10)		●										
	High viscosity sample			●									
	High electrolyte sample (Salinity > 5‰) /High salt industrial wastewater				●								
	Sample EC >100µs/cm					●							
	Sample EC<100µs/cm/ultra-pure water， deionized water								●				
	Highly concentrated acidic wastewater containing fluorine(≤2000ppm HF)							●					
	Acidic sample with a high concentration of fluorine(Hydrofluoric acid)						●						
	Rain					●			●				
	Soil										●		
	Soil leach	○			●	●			●				
	Mud			●	●								
Sample Containers	Large container												●
	Reactor												●
High Termerature	High temperature （80-100℃)									●			

● Recommended

○ Applicable, service life may be affected.

Electrochemical Instrument & Water Quality Analysis expert

Long and thin	3 in 1	Cleanable	Refillable	Unfillable	Blade spear	Flat	glass	glass, half
962244	E-301-QC	E-201F	E-201-C	E-201	E-201-Z	E-201-P	65-1C	231-01
	●	●	●	●			●	
	○		●	○			○	
				○			○	
		○		○			○	
				○			○	
		○		○			○	
					●	●		
					●	●		
					●	●		
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						●		
		○		○			○	
						●		
		○		●			○	
		○		○			○	

EC ELECTRODE SELECTION GUIDE

Application	Electrode constant (cm^{-1})	Conductivity Range (µS/cm)	Recommend electrode
Pharmaceutical water, Pure /ion-exchange water (approx. 1 µS/cm) /Distilled water (approx. 5 µS/cm)	0.01	0.05~2	DJS-0.01VT(with removable flow cell)
Distilled water (approx. 5 µS/cm)/Boiler water	0.1	1~200	DJS-0.1VTG
Tap/drinking water (approx. 100 µS/cm)	0.1/1	1~200/2~3000	DJS-0.1VTG/DJS-1VC,DJS-1VTC,DJS-1VG,DJS-1VTG
Irrigation water, dilute acidtiy, ilute alkaline, waste water, ocean, industrial water, acid and alkali	1	2~200000	DJS-1VC,DJS-1VTC,DJS-1VG,DJS-1VTG
Ocean, industrial water, acid and alkali	10	2~200000	DJS-10VTC

DO ELECTRODE SELECTION GUIDE

Sample Type	Application	Recommend electrode Type	Recommend electrode
Samples with no bubbles	River, lakes , ocean	Polarographic DO electrode	DO-957-Q, DO-958-Q
Lots of bubble samples	Beer, carbonated beverage, sparkling wine, aeration tank, food fermentation, power plant, river, lakes , ocean	Optical DO electrode	DO-960-Q

TITRATION ELECTRODE SELECTION GUIDE

Titration Type		Recommend electrode	Application
Acid-base	Aqueous solutions potentiometric titrations	1) 231-01 pH indicator electrode & 232-01 Reference electrode 2) E-301-QC 3 in 1 pH Composite Electrode 3) 982201 Conventional pH titration electrode	Total acid, basicity,indices such as OH number and saponification number
	Non-aqueous potentiometric titrations	1) 231-01 pH indicator electrode & 217-01 Reference electrode 2) 982211 Non aqueous pH titration electrode 3) 982202Pollution resistant pH titration electrode	TAN and TBN
	HF titration	962122 pH composite electrode (Hydrofluoric acid)	HF
Precipitation		1) 216-01 Silver electrode & 232-01 Reference electrode 2) 981121 Silver titration electrode & 232-01 Reference electrode	Cr^{6+}, Pb^{2+}, SO_4^{2-}, S^{2-}, CN^-, Br^-, I^-,Cl^-
REDOX		213-01 Platinum electrode & 232-01 Reference electrode	Iodometry, manganometry,vitamin C, COD determinations, indices such as Iodine value, peroxide value
Complexometric		Titrations using ion-selective electrodes	Al^{3+}, Mg^{2+}, Zn^{2+}, Ca^{2+}

Model	Name	Connector Type	Sensor material	Measuring unit material	Work Temperature	Application
982201	Conventional pH titration electrode	S7	Glass	Glass	0-80℃	Acid-base Titration
982202	Pollution resistant pH titration electrode	S7	Glass	Glass	0-60℃	Acid-base Titration
982211	Non aqueous pH titration electrode	S7	Glass	Glass	0-60℃	Non aqueous acid-base Titration
981121	Silver titration electrode	S7	PTFE	Silver	0-80℃	Precipitation Titration
962122	Hydrofluoric acid electrode	S7	Polypropylene	Antimony	5-45℃	Acid-base Titration

REX

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2022.1