



Benchtop

Precision Perfect



600L Series

Professional - Modularly

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 powerful touch screen and easy operation UI For data management and analysis.





300F/400F Series



Accurate - Smart

Multi-parameter with intelligent system design and simple operation steps pH/EC/ISE/DO/Temp. (mV/ pX/ Resistivity/ TDS/Sal. / DO Saturation)

200E Series



Reliable - Durable

Compact and durable practical pH/EC/ Meter, cost effective – high quality measurements pH/Temp.(mV) EC/Temp. (TDS)

100B Series



Eco - Basic

Simple design - cost effective pH(mV) EC

310F Series



Accurate - Powerful

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

210E Series



Reliavle - Durable

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

110B Series



Eco - Basic

Precise and durable portable pH/ISE/EC/DO Meter with powerful touch screen and easy operation UI For data management and analysis.

600L Series Benchtop Meter



Large color touch screen
Easy intuitive operation



Modular design
Four channels flexible configuration

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
- Multi-reading feature allows auto-read, timed-read, continuous reading.
- 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.

Four measurement channels can be configured in any combination. Support for three modules, namely pH/ISE, conductivity and dissolved oxygen module.
Select from three modules to customize the four channels your way.

- ➡ **pH module / PH600L**
 - 1-6 points calibration with standard recognition.
 - Selectable pH buffer groups NIST, DIN and GB.
 - Support for pH standard group customization

- ➡ **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 T
 - Temperature compensation type (none, linear, pure water).

- ➡ **ISE module / I600L**
 - 1-6 points calibration.
 - Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX,
 - 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-, NO3-, BF4-, NH4+, K+, Na+, Ca2+, Cu2+, Pb2+, 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.

Model		M600L	pH600L	EC600L	I600L	DO600L
SKU		PRO4198	PRO6086	PRO6087	PRO4949	PRO3171
Parameters (up to 12)		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/T DS/ Sal./ DO Saturation)	pH/Temp. (mV/ ORP)	EC/Temp. (Resistivity/T DS/Sal.)	pH/ISE/Temp (mV/ORP/pX)	DO/Temp. (DO Saturation)
pH	Range	-2.000 to 20.000 pH	●	○	●	○
	Resolution	0.1, 0.01, 0.001pH	●	○	●	○
	Accuracy	±0.002 pH	●	○	●	○
	Calibration Points	Up to 6	●	○	●	○
	Standard Customization	Yes	●	○	●	○
	Calibration Reminder	Yes	●	○	●	○
	Standard Recognition	NIST, GB, DIN buffers	●	○	●	○
	Slope Limit	Yes	●	○	●	○
mV/ORP	Range	-2000.00 to 2000.00 mV	●	○	●	○
	Resolution	0.1, 0.01 mV	●	○	●	○
	Accuracy	±0.03%FS	●	○	●	○
	EH ORP Mode	Yes	●	○	●	○
	ORP Calibration Points	1 custom point (relative mV)	●	○	●	○
pX	Range	-2.000 to 20.000 pX	○	○	●	○
	Resolution	0.1, 0.01, 0.001 pX	○	○	●	○
	Accuracy	±0.002 pX	○	○	●	○
	Calibration Points	Up to 6	○	○	●	○
ISE	Range	1.000E-9 to 9.999E9	○	○	●	○
	Resolution	Up to 4 significant digits	○	○	●	○
	Accuracy	±0.3%	○	○	●	○
	Calibration Points	Up to 6	○	○	●	○
	Units	mol/L, mmol/L, g/L, mg/L, µg/L	○	○	●	○
Conductivity	Range	0.000 µS/cm to 3000 mS/cm	●	●	○	○
	Resolution	0.001 µS/cm minimum; *	●	●	○	○
	Accuracy	±0.5%FS	●	●	○	○
	Reference temperature	5, 10, 15, 18, 20, 25 °C	●	●	○	○
	Calibration Points	Up to 5	●	●	○	○
	Calibration Reminder	Yes	●	●	○	○
	Standard Recognition	146.5 µS/cm, 1408 µS/cm, 12.85 mS/cm, 12.85 mS/cm	●	●	○	○
Resistivity	Range	5.00Ω·cm ~ 100.00MΩ·cm	●	●	○	○
	Resolution	0.01Ω·cm minimum	●	●	○	○
	Accuracy	±0.5%FS	●	●	○	○
TDS	Range	0.000 mg/L ~ 1000 g/L	●	●	○	○
	Resolution	0.001 mg/L minimum, *	●	●	○	○
	Accuracy	±0.5%FS	●	●	○	○

Salinity	Range	(0.00 ~ 8.00)%	●	●	∅	∅
	Resolution	0.01%	●	●	○	○
	Accuracy	±0.1%	●	●	○	○
Dissolved Oxygen Concentration	Sensor type	Polarography	○	○	○	●
	Range	0.00 to 99.99 mg/L	○	○	○	●
	Resolution	0.01mg/L	○	○	○	●
	Accuracy	±0.1mg/L	○	○	○	●
	Calibration Reminder	Yes	○	○	○	●
	Calibration points	Air-saturated water or zero point	○	○	○	●
	Barometric Compensation	Yes	○	○	○	●
	Manual Salinity Factor Correction	Yes	○	○	○	●
% Saturation	Range	(0.0 to 600) %	○	○	○	●
	Resolution	0.10%	○	○	○	●
	Accuracy	±2.0%	○	○	○	●
Temperature	Range	-5 to 130 °C	●	●	○	●
	Unit	°C	●	●	●	●
	Resolution	0.1 °C	●	●	●	●
	Accuracy	±0.1	●	●	●	●
Measurement	Reading Mode	AutoRead(Fast, Medium, Slow), Timed, Continuous	●	●	●	●
	Reading Prompts	Reading, Stable, Locked	●	●	●	●
	Temp. Compensation	ATC, MTC	●	●	●	●
Data Management	Data Storage	1000 groups	●	●	●	●
	GLP Features	Yes	●	●	●	●
	Log Management	Yes	●	●	●	●
Inputs	pH Electrode	BNC(Q9)	●	○	●	
	Temp./DO Probe	6-pin MiniDIN	●	○	●	●
	Temp./EC. Probe	8-pin MiniDIN		●	○	○
Outputs	USB	USB 2.0 flash memory device, PC	●	●	●	●
	RS232	Printer	●	●	●	●
Display options	Backlight	Yes	●	●	●	●
	Auto Shut-down	1-60min, off	●	●	●	●
	IP Range	IP54	●	●	●	●
	Data and time	Yes	●	●	●	●
	Dimension	280 x 280 x 130 mm	●	●	●	●
	Weight	2500g (5.51 lb)	●	●	●	●

500T Series Benchtop Meter



Auto sampler

Make measurement more efficient



Multiple external device available

FPC, auto sampler, printer, scanning Gun, USB flash disk...

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
- Multi-reading feature allows auto-read, timed-read, continuous reading.
- 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.

Four measurement channels can be configured in any combination. Support for three modules, namely pH/ISE, conductivity and dissolved oxygen module.

Select from three modules to customize the four channels your way.

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 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 T
- Temperature compensation type (none, linear, pure water).

Ion

- 1-6 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb , 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

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

Model		M500T	M500T-A	PH500T	EC500T	I500T	DO500T
SKU		PRO6091	PRO5908	PRO5980	PRO3566	PRO2561	PRO3167
Parameters (up to 12)		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/ TDS/Sal./ DO Saturation)	pH/EC/ISE/Te mp. (mV/ORP/ pX/Resistivity/ TDS/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity /TDS/Sal.)	pH/ISE/Te mp. (mV/ORP/ pX)	DO/Temp. (DO Saturation)
pH	Range	-2.000 to 20.000 pH	●	●	○	●	○
	Resolution	0.1, 0.01, 0.001pH	●	●	○	●	○
	Accuracy	±0.002 pH	●	●	○	●	○
	Calibration Points	Up to 6	●	●	○	●	○
	Standard Customization	Yes	●	●	○	●	○
	Calibration Reminder	Yea	●	●	○	●	○
	Standard Recognition	NIST,GB,DIN,USA,MER K,JIS buffers	●	●	○	●	○
	Slope Limit	Yes	●	●	○	●	○
mV/ORP	Range	-2000.00 to 2000.00 mV	●	●	○	●	○
	Resolution	0.1, 0.01 mV	●	●	○	●	○
	Accuracy	±0.1 mV or ±0.03 %	●	●	○	●	○
	EH ORP Mode	Yes	●	●	○	●	○
	ORP Calibration Points	1 custom point (relative mV)	●	●	○	●	○
pX	Range	-2.000 to 20.000 pX	●	○	○	●	○
	Resolution	0.1, 0.01, 0.001 pX	●	○	○	●	○
	Accuracy	±0.002 pX	●	○	○	●	○
	Calibration Points	Up to 6	●	○	○	●	○
ISE	Range	1.000E-9 to 9.999E9	●	○	○	●	○
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	●	○	○	●	○
	Resolution	Up to 4 significant digits	●	○	○	●	○
	Accuracy	±0.3 %	●	○	○	●	○
	Calibration Points		●	○	○	●	○
Conductivity	Range	0.000 µS/cm to 2000 mS/cm	●	○	●	○	○
	Resolution	0.001 µS/cm minimum, changed with range	●	○	●	○	○
	Accuracy	±0.5%FS	●	○	●	○	○
	Reference Temperature	5, 10, 15, 18, 20, 25 °C	●	○	●	○	○
	Calibration Points	Up to 5	●	○	●	○	○
	Calibration Reminder	Yes	●	○	●	○	○
	Standard Recognition	146.5 µS/cm, 1408 µS/cm, 12.85 mS/cm, 12.85 mS/cm; 10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm	●	○	●	○	○
Resistivity	Range	5.00Ω·cm ~ 100.0MΩ·cm	●	○	●	○	○
	Resolution	0.01Ω·cm minimum	●	○	●	○	○
	Accuracy	±0.5%FS	●	○	●	○	○

TDS	Range	0.000 ppm ~ 1000 ppt	●	○	●	○	○
	Resolution	0.001ppm minimum, changed with range	●	○	●	○	○
	Accuracy	±0.5%FS	●	○	●	○	○
Salinity	Type	NaCl	●	○	●	○	○
	Range	0.0 ~ 80.0 ppt	●	○	●	○	○
	Resolution	0.1ppt	●	○	●	○	○
	Accuravy	±1ppt	●	○	●	○	○
Dissolved Oxygen Concentration	Sensor Type	Polarographic	○	○	○	○	●
	Range	0.00 to 99.99 ppm	○	○	○	○	●
	Resolution	0.01ppm	○	○	○	○	●
	Accuracy	±0.10ppm, 0.00~50.00ppm ±0.50ppm, 50.0~99.99ppm	○	○	○	○	●
	Calibration Reminder	Yes	○	○	○	○	●
	Calibration Points	Air-saturated water or zero point	○	○	○	○	●
	Barometric Compensation	Yes	○	○	○	○	●
	Manual Salinity Factor Correctio	Yes	○	○	○	○	●
% Saturation	Range	(0.0 to 600) %	○	○	○	○	●
	Resolution	0.10%	○	○	○	○	●
	Accuracy	±2.0 %	○	○	○	○	●
Temperature	Range	10 to 135 °C, 14 to 275 °F	●	●	●	●	●
	Unit	°C, °F	●	●	●	●	●
	Resolution	0.1	●	●	●	●	●
	Accuracy	±0.1°C	●	●	●	●	●
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous	●	●	●	●	●
	Reading Prompts	Reading, Stable, Locked	●	●	●	●	●
	Temp. Compensation	ATC, MTC	●	●	●	●	●
Data Management	Data Storage	1000 Groups	●	●	●	●	●
	GLP Features	Yes	●	●	●	●	●
	Log Management	Yes	●	●	●	●	●
Inputs	pH Electrode	BNC(Q9)	●	●	○	●	○
	Temp./DO Probe	4-pin aviation connector	●	●	○	●	●
	Temp./EC. Probe	5-pin aviation connector	●	○	●	○	○
	Reference Electrode	Banana	●	●	○	●	○
Output	USB	USB 2.0 flash memory device, PC, scanner	●	●	●	●	●
	RS 232	printer, auto sampler	●	●	●	●	●
Display Options	Backlight	Yes	●	●	●	●	●
	Auto Shut-down	1~60 min, off	●	●	●	●	●
	IP Rating	IP54	●	●	●	●	●
	Date and Time	Yes	●	●	●	●	●
General	Power	AC Adapter, 100-240 VAC input, DC24V output	●	●	●	●	●
	Dimensions	220 x 195 x 68 mm	●	●	●	●	●
	Weight	950g (2.09 lb	●	●	●	●	●

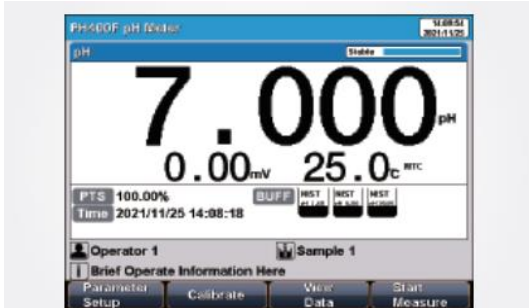
400F/300F Series Benchtop Meter



Automatic identification standard solution
Fast calibration and more accurate measurement



Multiple external device available
PC, printer,



Smart UI design
Best user experience, highly efficient measurement

Color High contrast LCD touchscreen, 7.0 inches.

- Intelligent operation system provides features including user management, calibration management, method management, Data management...
- 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

- 1-5 points calibration with standard recognition.
- Selectable pH buffer groups, including DIN, NIST, USA, MERK,
- 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)

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb , etc.
- I400F 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

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

400F/300F Series Benchtop Meter

Model		M300F	M300F-A	PH300F	EC300F	I300F	PH400F	EC400F	I400F	DO400F
SKU		PRO6092	PRO5384	PRO6084	PRO6197	PRO4751	PRO6085	PRO2747	PRO4763	PRO3172
Parameters		pH/EC/ISE/DO/T emp. (mV/ pX/Resistivity/T DS/Sal. / DO Saturation)	pH/EC/ISE/Tem p (mV/pX/Resistivi ty/TDS/Sal.)	pH/Temp. (mV)	EC/Temp. (Resistivity/ TDS/Sal.)	pH/ISE/Temp. (mV/pX)	pH/Temp. (mV)	(Resistivity/T DS/Sal.)	pH/ISE/Temp. (mV/pX)	(DO Saturation)
pH	Range	-2.00 to 20.00 pH	●	●	○	●	-2.000 to 20.000 pH	○	●	○
	Resolution	0.1, 0.01 pH	●	●	○	●	0.1, 0.01, 0.001pH	○	●	○
	Accuracy	±0.01 pH	●	●	○	●	±0.002 pH	○	●	○
	Calibration points	Up to 5	●	●	○	●	●	○	●	○
	Standard customization	Yes	●	●	○	●	●	○	●	○
	Standard recognition	NIST, GB, USA and DIN buffers	●	●	○	●	NIST,GB,DIN, USA and MERK buffers	○	●	○
mV	Range	2000.0 to 2000.0 mV	●	●	○	●	-2000.00 to 2000.00 mV	○	●	○
	Resolution	0.1 mV	●	●	○	●	0.1, 0.01 mV	○	●	○
	Accuracy	±0.3 mV or ±0.1%	●	●	○	●	±0.1 mV or ±0.03 % of reading whichever is greater	○	●	○
pX	Range	-2.00 to 20.00 pX	●	○	○	●	○	○	-2.000 to 20.000 pX	○
	Resolution	0.1, 0.01 pX	●	○	○	●	○	○	0.1, 0.01, 0.001 pX	○
	Accuracy	±0.01 pX	●	○	○	●	○	○	±0.002 pX	○
	Calibration points	Up to 5	●	○	○	●	○	○	●	○
ISE	Range	1.000E-9 to 9.999E9	●	○	○	●	○	○	●	○
	Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	●	○	○	●	○	○	●	○
	Resolution	Up to 4 significant digits	●	○	○	●	○	○	●	○
	Accuracy	±0.5 %	●	○	○	●	○	○	±0.3 %	○
	Calibration point	Up to 5	●	○	○	●	○	○	●	○
Conductivity	Range	0.000 µS/cm to 1000 mS/cm	●	○	●	○	○	●	○	○
	Resolution	0.001 µS/cm minimum, changed with range	●	○	●	○	○	●	○	○
	Accuracy	±1.0%FS	●	○	●	○	○	±0.5 % FS	○	○
	Reference temperature	20, 25 °C	●	○	●	○	○	●	○	○
	Calibration points	Up to 3	●	○	●	○	○	●	○	○
	Standard recognition	84µS/cm, 1413µS/cm, 12.88mS/cm	●	○	●	○	○	●	○	○
Resistivity	Range	5.00Ω·cm ~ 20.00MΩ·cm	●	○	●	○	○	5.00Ω·cm ~ 100.0MΩ·cm	○	○
	Resolution	0.01Ω·cm minimum	●	○	●	○	○	●	○	○
	Accuracy	±1.0%FS	●	○	●	○	○	±0.5 % FS	○	○
TDS	Range	0.00 ppm ~ 300 ppt	●	○	●	○	○	0.00ppm ~ 1000ppt	○	○
	Resolution	0.01ppm minimum, changed with range	●	○	●	○	○	0.001ppm minimum, changed with	○	○
	Accuracy	±1.0% FS	●	○	●	○	○	±0.5 % FS	○	○

Salinity		NaCl	●	○	●	○	○	●	○	○
	Range	0.0 ~ 80.0 ppt	●	○	●	○	○	●	○	○
	Resolution	0.1ppt	●	○	●	○	○	●	○	○
	Accuracy	±2ppt	●	○	●	○	○	±1ppt	○	○
Dissolved Oxygen Concentration	Sensor type	Polarography	○	○	○	○	○	○	○	●
	Range	0.00 to 20.00 ppm	○	○	○	○	○	○	○	0.00 to 99.99 ppm
	Resolution	0.01ppm	○	○	○	○	○	○	○	●
	Accuracy	±0.10ppm	○	○	○	○	○	○	○	±0.10ppm,0.00~50.00ppm ±0.50ppm,50.0~99.99ppm
	Calibration point	Air-saturated water or zero point	○	○	○	○	○	○	○	●
	Barometric Compensation	Yes	○	○	○	○	○	○	○	●
	Manual Salinity Factor Correction	Yes	○	○	○	○	○	○	○	●
Saturation	Range	(0.0 to 200.0) %	○	○	○	○	○	○	○	(0.0 to 600.0) %
	Resolution	0.1%	○	○	○	○	○	○	○	●
	Accuracy	±2.0 %	○	○	○	○	○	○	○	●
Temperature	Range	-5 to 110 °C, 23 to 230 °F	●	●	●	●	-10 to 135 °C, 14 to 275 °F	●	●	●
	Unit	°C, °F	●	●	●	●	°C, °F	●	●	●
	Resolution	0.1	●	●	●	●	0.1	●	●	●
	Accuracy	±0.2°C	●	●	●	●	±0.1	●	●	●
Measurement	Reading Mode	Auto Read(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)	●	●	○	●	●	●	●	○
	Temp./DO Probe	4-pin aviation connector	●	○	○	●	●	●	●	●
	Temp. /EC Probe	5-pin aviation connecto	●	○	●	○	○	●	○	○
	Reference Electrode	Banana	●	●	○	●	●	●	●	○
Output	USB	PC	●	●	●	●	●	●	●	●
	RS232	Printer	●	●	●	●	●	●	●	●
Display option	Auto Shut-down	1~60 min, off	●	●	●	●	●	●	●	●
	IP Rating	IP54	●	●	●	●	●	●	●	●
	Date and Time	Yes	●	●	●	●	●	●	●	●
General	Power	AC Adapter 100-240 VAC input, DC9V output	●	●	●	●	●	●	●	●
	Dimensions	242 x 195 x 68 mm	●	●	●	●	●	●	●	●
	Weight	900g (1.98 lb)	●	●	●	●	●	●	●	●

200E Series Benchtop Meter



Simple UI Design



Electrode with
360° Rotation



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 (MTC)

- 1-3 points calibration with standard recognition
- Manual temperature compensation ensure accurate results

EC200E Conductivity meter

- 1-3 points calibration with standard recognition
- Cell constant is settable
- Automatic/Manual temperature compensation ensures accurate results

EC200EM Conductivity meter (MTC)

- 1-3 points calibration with standard recognition
- Cell constant is settable
- Manual temperature compensation ensures accurate results

Model VIKING		PH200	EC200E
SKU		PRO6042	PRO2541
Parameters		pH/Temp.(mV)	EC/Temp. (TDS)
pH	Range	-2.00 to 18.00 pH	○
	Resolution	0.01pH	○
	Accuracy	±0.01 pH	○
	Calibration	Up to 3 points	○
	Standard Recognition	NIST buffers	○
mV	Range	-1999 to 1999 mV	○
	Resolution	1 mV	○
	Accuracy	±0.1%FS	○
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 °C
	Calibration points	○	Up to 1
	Standard Recognition	○	84µS/cm, 1413µS/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 °C	●
	Unit	°C	●
	Resolution	0.1°C	●
	Accuracy	±0.2°C	●
Measurement	Reading Mode	Auto Read, Continuous	●
	Reading Prompts	Reading, Stable, Locked	●
	Temp. Compensation	ATC, MTC	ATC, MTC
Data Management	Data storage	50 result each	●
Inputs	pH Electrode	BNC(Q9)	
	Temp. Probe	4-pin aviation connector	
	Temp./EC. Probe	○	5-pin aviation connector
	Reference Electrode	Banana	○
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 (1.98lb)	●

510T Series Portable Meter



Large color Touch Screen



Method management



Color High contrast LCD touchscreen, 4.3 inches.

- Intelligent operation system provides features including user

management, calibration management, method management, Data management, Electrode management...

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 communication.
- Reset feature automatically resumes all settings back to factory

Default options.

- IP65 waterproof
- Automation measurement
- Auto-power off feature effectively extends the battery service life

- pH**
 - 1-8 points calibration with standard recognition.
 - Selectable pH buffer groups, including DIN, NIST, USA, MERK, JIS, GB
 - 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)

- Ion**
 - 1-6 points calibration.
 - Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, 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-, NO3-, BF4-, NH4+, K+, Na+, Ca2+, Cu2+, Pb2+, Ag+ and etc.; user-defined method is supported

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

Model		M510T	M510T-A	PH510	EC510	ISE510	DO510	DO511T
SKU		PRO5383	PRO5918	PRO4882	PRO6088	PRO4754	PRO4953	PRO2427
Parameters (up to 12)		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/ TDS/Sal./ DO Saturation)	pH/EC/ISE/Temp. (mV/ORP/ pX/Resistivity/TD S/Sal.)	pH/Temp. (mV/ORP)	EC/Temp. (Resistivity/ TDS/Sal.)	pH/ISE/Temp (mV/ORP/pX)	DO/Temp. (DO Saturation)	DO/Temp. (DO Saturation)
pH	Range	-2.000 to 20.000 pH	●	●	○	●	○	○
	Resolution	0.1, 0.01, 0.001pH	●	●	○	●	○	○
	Accuracy	±0.002 pH	●	●	○	●	○	○
	Calibration Points	Up to 8	●	●	○	●	○	○
	Standard Customization	Yes	●	●	○	●	○	○
	Calibration Reminder	Yea	●	●	○	●	○	○
	Standard Recognition	NIST,GB,DIN,USA,MERK,JIS buffers	●	●	○	●	○	○
	Slope Limit	Yes	●	●	○	●	○	○
mV/ORP	Range	-2000.00 to 2000.00 mV	●	●	○	●	○	○
	Resolution	0.1, 0.01 mV	●	●	○	●	○	○
	Accuracy	±0.1 mV or ±0.03 %	●	●	○	●	○	○
	EH ORP Mode	Yes	●	●	○	●	○	○
	ORP Calibration Points	1 custom point (relative mV)	●	●	○	●	○	○
pX	Range	-2.000 to 20.000 pX	●	○	○	●	○	○
	Resolution	0.1, 0.01, 0.001 pX	●	○	○	●	○	○
	Accuracy	±0.002 pX	●	○	○	●	○	○
	Calibration Points	Up to 6	●	○	○	●	○	○
ISE	Range	1.000E-9 to 9.999E9	●	○	○	●	○	○
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	●	○	○	●	○	○
	Resolution	Up to 4 significant digits	●	○	○	●	○	○
	Accuracy	±0.3 %	●	○	○	●	○	○
	Calibration Points	Up to 8	●	○	○	●	○	○
Conductivity	Range	0.000 µS/cm to 2000 mS/cm	●	○	●	○	○	○
	Resolution	0.001 µS/cm minimum, changed with range	●	○	●	○	○	○
	Accuracy	±0.5%FS	●	○	●	○	○	○
	Reference Temperature	5, 10, 15, 18, 20, 25 °C	●	○	●	○	○	○
	Calibration Points	Up to 5	●	○	●	○	○	○
	Calibration Reminder	Yes	●	○	●	○	○	○
	Standard Recognition	146.5 µS/cm, 1408 µS/cm, 12.85 mS/cm, 12.85 mS/cm; 10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm	●	○	●	○	○	○
Resistivity	Range	5.00Ω·cm ~ 100.0MΩ·cm	●	○	●	○	○	○
	Resolution	0.01Ω·cm minimum	●	○	●	○	○	○
	Accuracy	±0.5%FS	●	○	●	○	○	○
TDS	Range	0.000 ppm ~ 1000 ppt	●	○	●	○	○	○
	Resolution	0.001ppm minimum, changed with range	●	○	●	○	○	○
	Accuracy	±0.5%FS	●	○	●	○	○	○
Salinity	Type	NaCl	●	○	●	○	○	○
	Range	0.0 ~ 80.0 ppt	●	○	●	○	○	○
Data Management	GLP Features	Yes	●	●	●	●	●	○
Inputs	pH Electrode	BNC(Q9)	●	●	○	●	○	○
	Temp./DO Probe	4-pin aviation connector	●	●	○	●	●	●
	Temp./EC. Probe	5-pin aviation connector	●	○	●	○	○	○
Output	USB	USB 2.0 flash memory device, PC, scanner	●	●	●	●	●	●
	Bluetooth	Custom	●	●	●	●	●	●
Display Options	Backlight	Yes	●	●	●	●	●	●
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●	●	●	●	●	●
	IP Rating	IP65	●	●	●	●	●	●
	Date and Time	Yes	●	●	●	●	●	●
General	Power	Rechargeable Lithium battery, AC Adapter, 100-240 VAC input, DC5V output	●	●	●	●	●	●
	Dimensions	90 x 255 x 40 mm	●	●	●	●	●	●
	Weight	500g (1.1 lb)	●	●	●	●	●	●

310T Series Portable Meter



Large color touch screen



- 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 DIN, NIST, USA, 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).

► Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb , 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.
- Automatic/Manual barometric pressure compensation.
- Manual Salinity Factor Correction.
- Selectable pressure unit, including kPa , mbar , Torr , Atm .

Model	M310T		PH310T	EC310T	I310T
SKU		PRO5382	PRO5388	PRO6089	PRO6090
		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)
		-2.00 to 20.00 pH	●	○	●
		0.1, 0.01 pH	●	○	●
		±0.01 pH	●	○	●
		Up to 5	●	○	●
		Yes	●	○	●
		Yea	●	○	●
		NIST, GB, USA and DIN buffers	●	○	●
		Yes	●	○	●
		-2000.00 to 2000.00 mV	●	○	●
		0.1, mV	●	○	●
		±0.3 mV or ±0.1 %	●	○	●
		-2.000 to 20.000 pX	○	○	●
		0.1, 0.01 pX	○	○	●
		±0.01 pX	○	○	●
		Up to 5	○	○	●
		1.000E-9 to 9.999E9	○	○	●
		mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	○	○	●
		Up to 4 significant digits	○	○	●
		±0.5 %	○	○	●
		Up to 5	○	○	●
Conductivity	Range	0.000 µS/cm to 1000 mS/cm	○	●	○
	Resolution	0.001 µS/cm minimum, changed with range	○	●	○
	Accuracy	±1.0%FS	○	●	○
	Reference Temperature	20, 25 °C	○	●	○
	Calibration Points	Up to 3	○	●	○
	Calibration Reminder	Yes	○	●	○
Resistivity	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm	○	●	○
	Range	5.00Ω·cm ~ 20.0MΩ·cm	○	●	○
	Resolution	0.01Ω·cm minimum	○	●	○
	Accuracy	±0.5%FS	○	●	○
TDS	Range	0.000 ppm ~ 300 ppt	○	●	○
	Resolution	0.001ppm minimum, changed with range	○	●	○
	Accuracy	±0.5%FS	○	●	○
Salinity	Type	NaCl	○	●	○
	Range	0.0 ~ 80.0 ppt	○	●	○
	Resolution	0.1ppt	○	●	○
	Accurawy	±1ppt	○	●	○
Dissolved Oxygen Concentration	Sensor Type	Polarography	○	○	○
	Range	0.00 to 50.00 ppm	○	○	○
	Resolution	0.01ppm	○	○	○
	Accuracy	±0.10ppm,	○	○	○
	Calibration Reminder	Yes	○	○	○
	Calibration Points	Air-saturated water or zero point	○	○	○
	Barometric Compensation	Yes	○	○	○
Saturation	Manual Salinity Factor Correctio	Yes	○	○	○
	Range	(0.0 to 300) %	○	○	○
	Resolution	0.10%	○	○	○
Temperature	Accuracy	±2.0 %	○	○	○
	Range	-5 to 110 °C, 23 to 230 °F	●	●	●
	Unit	°C, °F	●	●	●
	Resolution	0.1	●	●	●
Measurement	Accuracy	±0.2°C	●	●	●
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous	●	●	●
	Reading Prompts	Reading, Stable, Locked	●	●	●
Data Management	Temp. Compensation	ATC, MTC	●	●	●
	Data Storage	1000 Groups	●	●	●
Inputs	GLP Features	Yes	●	●	●
	pH Electrode	BNC(Q9)	●	○	●
	Temp./DO Probe	4-pin aviation connector	●	○	●
Output	Temp./EC. Probe	5-pin aviation connector	○	●	○
	USB	PC, Printer	●	●	●
Display Options	Backlight	Yes	●	●	●
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●	●	●
	IP Rating	IP65	●	●	●
	Date and Time	Yes	●	●	●
General		Rechargeable Lithium battery, AC Adapter,			●
	Power	100-240 VAC input, DCSV output	●	●	
	Dimensions	90 x 255 x 40 mm	●	●	●
	Weight	500g (1.1 lb)	●	●	●

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 ptions.

IP65 waterproof.

pH

1-5 points calibration with standard recognition.

Selectable pH buffer groups, including NIST, DIN, GB, USA.

Automatic electrode diagnosis with pH slope and offset display.

Ion

1-5 points calibration.

Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb , 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 .



Model	M310F		M310F-A	PH310F	EC310F	DO310F
SKU		PRO6093	PRO6094	PRO3567	PRO6065	PRO3164
Parameters (up to 12)		pH/EC/ISE/DO/Temp. (mV/pX/Resistivity/TDS/ Sal. / DO Saturation)	pH/Temp. (mV/ORP)	pH/Temp. (mV)	EC/Temp. (Resistivity/ TDS/Sal.	DO/Temp. (DO Saturation)
pH	Range	-2.00 to 20.00 pH	●	●	○	○
	Resolution	0.1, 0.01 pH	●	●	○	○
	Accuracy	±0.01 pH	●	●	○	○
	Calibration Points	Up to 5	●	●	○	○
	Standard Customization	Yes	●	●	○	○
	Standard Recognition	NIST, GB, USA and DIN buffers	●	●	○	○
mV	Range	-2000.0 to 2000.0 mV	●	●	○	○
	Resolution	0.1	●	●	○	○
	Accuracy	±0.3 mV or ±0.1%	●	●	○	○
pX	Range	-2.00 to 20.00 pX	●	○	○	○
	Resolution	0.1, 0.01 pX	●	○	○	○
	Accuracy	±0.01 pX	●	○	○	○
	Calibration Points	Up to 5	●	○	○	○
ISE	Range	1.000E-9 to 9.999E9	●	○	○	○
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	●	○	○	○
	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 °C	●	○	●	○
	Calibration points	Up to 3	●	○	●	○
	Standard recognition	84µS/cm, 1413µS/cm, 12.88mS/cm	●	○	●	○
Resistivity	Range	5.00Ω·cm ~ 20.00MQ·cm	●	○	●	○
	Resolution	0.01Ω·cm minimum	●	○	●	○
	Accuracy	±1.0 % FS	●	○	●	○
TDS	Range	0.00 ppm ~ 300 ppt	●	○	●	○
	Resolution	0.01ppm minimum, changed with range	●	○	●	○
	Accuracy	±1.0%FS	●	○	●	○
Salinity	Type	NaCl	●	○	●	○
	Range	0.0 ~ 80.0 ppt	●	○	●	○
	Resolution	0.1ppt	●	○	●	○
	Accuracy	±2ppt	●	○	●	○
Dissolved oxygen concentration	Sensor type	Polarography	○	○	○	●
	Range	0.00 to 50.00 ppm	○	○	○	●
	Resolution	0.01ppm	○	○	○	●
	Accuracy	±0.10ppm	○	○	○	●
	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	±2.0 %	○	○	○	●
Temperature	Range	-5 to 110 °C, 23 to 230 °F	●	●	●	●
	Units	°C, °F	●	●	●	●
	Resolution	0.1	●	●	●	●
	Accuracy	±0.2°C	●	●	●	●
Measurement	Range mode	Auto Read(Fast, Medium, Slow), Timed, Continuous	●	●	●	●
	Reading prompts	Reading, Stable, Locked	●	●	●	●
	Temperature compensation	ATC, MTC	●	●	●	●
Data management	Data storage	500 results each	●	●	●	●
	GLP feature	Yes	●	●	●	●
Inputs	pH Electrode	BNC(Q9)	●	●	○	○
	Temp./DO Probe	4-pin aviation connector	●	○	○	●
	Temp./EC Probe	5-pin aviation connector	●	●	●	○
Outputs	UB	PC, Printer	●	●	●	●
Display option	Backlight	Yes	●	●	●	●
	Auto Shut-down	300, 600, 1200, 1800, 3600sec, off	●	●	●	●
	IP Range	IP65	●	●	●	●
	Date and Time	Yes	●	●	●	●
General	Power	Rechargeable Lithium battery, AC dapter 100-240 VAC input, DC5V output	●	●	●	●
	Dimensions	80 x 225 x 35 mm	●	●	●	●
	Weight	400g (0.88 lb)	●	●	●	●

210E 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 200 sets for each parameters (GLP-compliant).
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options
- IP65 waterproof

pH 210E Portable pH Meter

1-3 points calibration with standard recognition.
Automatic or manual temperature compensation assures accurate results.

EC 210 Portable Conductivity Meter

- 1 points calibration with standard recognition
- Cell constants settable
- Automatic or manual temperature compensation

DO 210E Portable Dissolved Oxygen Metter

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

Model		PH210E	EC210E	DO210E
SKU		PRO6078	PRO6063	PRO3316
Parameters		pH/Temp.(mV)	EC/Temp/TDS)	DO/Tem p (DO Saturation)
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	○	○
Conductivity	Range	○	0.00 μS/cm to 200 mS/cm	○
	Resolution	○	0.01 μS/cm minimum, changed with range	○
	Accuracy	○	±1.0 % FS	○
	Referent temperature	○	25 °C	○
	Calibration points	○	Up to 1	○
	Standard recognition	○	84μS/cm, 1413μS/cm, 12.88mS/cm	○
TDS	Range	○	0.00mg/L ~ 100g/L	○
	Resolution	○	0.01mg/L minimum, changed with range	○
	Accuracy	○	±1.0%FS	○
Dissolved Oxygen Concentration	Sensor type	○	○	Polarographic
	Range	○	○	0.00 to 20.00 mg/L
	Resolution	○	○	0.01mg/L
	Accuracy	○	○	±0.10mg/L
	Calibration Points	○	○	Air-saturated water or zero point
	Barometric Compensation	○	○	Yes
	Manual Salinity Factor Correction	○	○	Yes
Saturation	Range	○	○	(0.0 to 200.0 %
	Resolution	○	○	0.1%
	Accuracy	○	○	±2.0 %
Temperature	Range	-5 to 110 °C	●	●
	Unit	°C	●	●
	Resolution	0.1°C	●	●
	Accuracy	±0.2°C	●	●
Measurement	Reading Mode	Auto Read, Continuous	●	●
	Reading Prompts	Reading, Stable, Locked	●	●
	Temp. Compensation	ATC, MTC	●	●
Data Management	Data Storage	200 results each	●	●
Inputs	pH electrode	BNC(Q9)	○	○
	Temp. /DO Probe	4-pin aviation connector	○	●
	Temp./Conductivity Probe		5-pin aviation connector	○
Display options	Backlight	Yes	●	●
	Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off	●	●
	IP protection	IP65	●	●
General	Power	Rechargeable Lithium batter; AC Adapter , 100-240 VAC input, DC5V output	●	●
	Dimension	80 x 225 x 35 mm	●	●
	Weight	400g (0.88 lb)	●	●

110B Series Portable Meters



GENERAL FEATURES

- LCD display screen, 3.5 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Auto-power off feature effectively extends the battery service life.
- IP65 waterproof

pH 110E Portable pH Meter

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

EC 110 Portable Conductivity Meter

- Cell constants settable
- Automatic or manual temperature compensation

Model		PH110	EC110
SKU		PRO4221	PRO6064
Parameters		pH/(mV) MTC	EC/MTC
pH	Range	-0.00 to 14.00 pH	○
	Resolution	0.01pH	○
	Accuracy	±0.02 pH	○
	Calibration Points	Up to 2	○
	Standard Recognition	NIST buffers	○
mV	Range	-1400 to 1400 mV	○
	Resolution	1 mV	○
	Accuracy	±0.2%FS	○
Conductivity	Range	○	0.00 µS/cm to 100 mS/cm
	Resolution	○	0.01 µS/cm minimum, changed with range
	Accuracy	○	±1.0 % FS
	Referent temperature	○	25 °C
	Calibration points	○	Up to 1
	Standard recognition	○	84µS/cm, 1413µS/cm, 12.88mS/cm
Measurement	Reading Mode	Continuous	●
	Reading Prompts	Reading, Stable	●
	Temp. Compensation	MTC	●
Data Management	Data Storage	200 results each	●
Inputs	pH electrode	BNC(Q9)	○
	Temp./Conductivity Probe	○	5-pin aviation connector
Display options	Backlight	Yes	●
	Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off	●
	IP protection	IP65	●
General	Power	Rechargeable Lithium batter; AC Adapter, 100-240 VAC input, DC5V output	●
	Dimension	80 x 225 x 35 mm	●
	Weight	400g (0.88lb)	●

110B Series Portable Meters



GENERAL FEATURES

- LCD display screen, 3.5 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Auto-power off feature effectively extends the battery service life.
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Model		PH110	EC110
SKU		PRO4221	PRO6064
Parameters		pH/(mV) MTC	EC/MTC
pH	Range	-0.00 to 14.00 pH	○
	Resolution	0.01pH	○
	Accuracy	±0.02 pH	○
	Calibration Points	Up to 2	○
	Standard Recognition	NIST buffers	○
mV	Range	-1400 to 1400 mV	○
	Resolution	1 mV	○
	Accuracy	±0.2%FS	○
Conductivity	Range	○	0.00 μS/cm to 100 mS/cm
	Resolution	○	0.01 μS/cm minimum, changed with range
	Accuracy	○	±1.0 % FS
	Referent temperature	○	25 °C
	Calibration points	○	Up to 1
	Standard recognition	○	84μS/cm, 1413μS/cm, 12.88mS/cm
Measurement	Reading Mode	Continuous	●
	Reading Prompts	Reading, Stable	●
	Temp. Compensation	MTC	●
Data Management	Data Storage	200 results each	●
Inputs	pH electrode	BNC(Q9)	○
	Temp./Conductivity Probe	○	5-pin aviation connector
Display options	Backlight	Yes	●
	Auto Shut-down	300, 600, 1200, 1800, 3600 sec, off	●
	IP protection	IP65	●
General	Power	Rechargeable Lithium batter; AC Adapter, 100-240 VAC input, DC5V output	●
	Dimension	80 x 225 x 35 mm	●
	Weight	400g (0.88lb)	●

TI-50 Automatic Potential Titrator

GENERAL FEATURES

- 7" colorful touchscreen and smart guide system.
- Titration methods, curves and results are displayed in detail.
- One 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.
- 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
SKU		PRO3380
Burette	Repeatability	≤ 0.2%
	Resolution	1/30000
	Accuracy	10ml Burette: ±0.020ml 20ml Burette: ±0.030ml
Measuring Unit	Fluctuation	±0.3mV/3h
	Resolution	0.01mV, 0.001pH
	Accuracy	pH: ±0.002pH mV: ±0.03% or ±0.2mV
Temperature Compensation	Range	(-5.0~105.0) °C
	Resolution	0.1 °C
	Accuracy	±0.2 °C
General	Power	AC Adapter, 100-240V AC input, C24V output
	Dimension	340×400×400 mm
	Weight	10kg

TI-40 Automatic Potential Titrator



Model		TI-40
SKU		PRO6103
Burette	Repeatability	0.2%
	Resolution	1/14000
	Accuracy	10ml Burette: ±0.025ml 20ml Burette: ±0.035ml
Measuring Unit	Range	(-1800.0~1800.0) mV (0.00~14.00)pH
	Resolution	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mV: ±0.05%FS
	Fluctuation	±0.3mV/3h
Temperature Compensation	Range	(-5.0~105.0) °C
	Resolution	0.1 °C
	Accuracy	±0.3 °C
General	Power	AC Adapter, 100-240V AC input, C24V output
	Dimension	340×400×400 mm
	Weight	10kg

GENERAL 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 one 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

KFT-40VC Karl Fischer Titrator



Volumetric Karl Fisher 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.
- Store up to 200 titration data sets (GLP-compliant)

Koulometric Karl Fisher 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

Store up to 200 titration data sets (GLP-compliant)

Model		KFT-40VC
SKU		PRO6104
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	±0.2µA
	Working Current	1, 1.86, 5,10 µg (H2O) /s for 10.72mA, 20 mA, 53.61mA, 107.2 mA
	Working Current Accuracy	0.5%
	Accuracy	± (5%+3) µg
	Repeatability	≤ 3%
General	Power	AC Adapter, 100-240V AC input,
	Dimension	340×400×400 mm
	Weight	10kg

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.

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 ocolof 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.
- 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
SKU		PR06105
Volumetric titration	Range	0.1mg~250mg
	Resolution	0.1mg
	Working current	1μA±0.2μA; 50μA±10μA
	Repeatability	≤ 0.5%
General	Power	AC Adapter, 100-240V AC input
	Dimension	340×400×400 mm
	Weight	10kg

TKFT-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...
- 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
SKU		PR06106
Coulometric Titration	Range	01ug~20mg
	Polarization Current Accuracy	±0.2μA
	Working current	10mA, 20 mA, 50 mA, 100 mA
	Working Current Accuracy	±0.5%
	Accuracy	≤ 0.5%± (5%+3) μg
	Repeatability	≤ 3%
General	Power	AC Adapter, 100-240V AC input
	Dimension	300×235×100 mm
	Weight	2kg

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
- Auto ranging from 0-4000 NTU.
- 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.

Model		TU4000E
SKU		PRO5781
Measuring Unit	Range	(0.000~20.00) NTU,(20.01~200.0) NTU, (200.1~2000) NTU, (2001~4000) NTU
	Accuracy	±6%
	Repeatability	≤ 5%
	Fluctuation	±0.5% FS/30min
General	Power	AC Adapter, 100-240V AC input
	Dimension	358×323×160 mm
	Weight	6.5kg

TU1000/TU200 Benchtop Turbidity Meter



TU1000

- 1-6 points calibration using Formazin standards or zero water.
- Autoranging from 0-1000 NTU.
- 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

- 1-3 points calibration using Formazin standards or zero water.
- Autoranging from 0-200 NTU.

GENERAL FEATURES

- 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,

Model		TU1000	TU200
SKU		PRO5781	PRO5782
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	±2% of reading +0.02NTU	•
	Repeatability	≤ 0.5%	≤1.0%
	Fluctuation	±0.5%FS/30min	±1.0% FS/30min
General	Power	AC Adapter, 100-240V AC input	•
	Dimension	330×250×130 mm	•
	Weight	2.5kg	•

TU1000P/TU200P Portable Turbidity Meter



TU1000P

- 1-6 points calibration using Formazin standards or zero water.
- Autoranging from 0-1000 NTU.
- 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

- 1-3 points calibration using Formazin standards or zero water.
- Autoranging from 0-200 NTU.

GENERAL FEATURES

- 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, date and time, etc.
- Auto-power-off feature effectively extends the battery usage time. IP65 waterproof.

Model		TU1000P	TU200P
SKU		PR05783	PR03176
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	±2% of reading +0.02NTU	•
	Repeatability	≤ 0.5%	≤1.0%
	Fluctuation	±0.5%FS/30min	±1.0% FS/30min
General	Power	AA Battery, AC Adapter, 200-240 VAC input, DC 5V output	•
	Dimension	100×220×80 mm	•
	Weight	0.8kg	•

COD-100 Benchtop COD Analyzer



COD-100 Analyzer – Key Features

- Complies with EPA 410.4 and ISO 15705:2002 standards
- Dual LED light sources for different COD ranges
- Intuitive user interface with LCD display
- Stores up to 200 GLP-compliant data sets
- USB interface for seamless data transfer



☞☐ COD-100R Reactor – Key Features

- Processes up to 21 samples simultaneously
- Adjustable heating temperature: 100°C to 165°C
- Programmable heating time: 0 to 120 minutes
- Equipped with transparent safety shield for operator protection

Model	COD-100 / COD-100R
SKU	PRO4195 , PRO4190
Range	(0–150) mg/L, (0–1500) mg/L
Accuracy	±8%
Repeatability	≤3%
Fluctuation	6 mg/L (20 min)
Power Supply	AC Adapter, 200–240 V AC input
Dimensions	COD-100: 315×225×100 mm COD-100R: 330×228×132 mm
Weight	COD-100: 2 kg COD-100R: 4 kg

Electrode Holder Standard Accessories



EHO-6 – Electrode Stand



EHO-5 – Electrode Stand



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 electrode

ELECTROCHEMICAL METERS ELECTRODE STAND		EH05	EH06
SKU		PR06111	PR06110
ELECTROCHEMICAL METERS – STANDARD ACCESSPROES			
600L Series		●	○
500T Series		●	○
400F Series		○	●
300F Series		○	●
200E Series		○	●
100B Series		○	○



ELECTROCHEMICAL METERS CARRYING CASE		Carrying Case
Electrochemical Meters – STANDARD ACCESSPROES		
510T Series		●
310T Series		●
310F Series		●
210E		○
110B		○
Turbidity Meters		Carrying Case
TU1000P		●
TU200P		●

Electrode Holder Standard Accessories



Standard Powder Solution



Standard Solution

	SKU	pH	Volume
Standard pH Buffer Solutions (pH value at 25°C)	PRO		
		pH 4.01	250ml
		pH 7.00	250ml
		pH 10.00	250ml
Standard pH powder	PRO	pH 4.01	Each bag of powder can be prepared into 250ml standard solution.
	PRO	pH 7.00	Each bag of powder can be prepared into 250ml standard solution.
	PRO	pH 10.00	Each bag of powder can be prepared into 250ml standard solution.
Standard pH powder, NIST		pH 4.01, pH 7.00, pH 10.00	Each bag of powder can be prepared into 250ml standard solution.
Conductivity standards		111.3ms/cm 250mL	250ml
		12.85ms/cm 250mL	250ml
		1413µs/cm 250mL	250ml
		146.5µs/cm 250mL	250ml
		84µs/cm 250mL	250ml
Electrolytes for reference electrodes		3 M KCl	100ml
		3 M KCl	250ml
		3 M KCl	Powder, 1 sachet

pH Electrodes

PH Electrodes										
SKU	Model	Name	pH Range	Fill Solution	Sensor Material	Working temp	Junction Material	Reference Type	Dimension	Connector Type
PRO4153	E-301-QC	3 in 1 pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)&4-pin aviation
PRO6133	E-301F	3 in 1 pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)&BNC(Q6)
PRO6134	E-201-C	pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6135	E-201F	pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6136	E-201	pH composite electrode	0 ~ 14	unfillable	Polycarbonate	5~60 °C	Single polyformaldehyde (POM)	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6137	E-201-Z	pH composite electrode (Blade spear)	0 ~ 10	unfillable	POM	5~60 °C	Single polyformaldehyde (POM)	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6138	E-201-P	pH composite electrode (Flat)	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6139	E-201-L	pH composite electrode	0 ~ 14	3 M KCl	Polycarbonate	5~60 °C	Single fabric	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6140	65-1C	pH composite electrode	0 ~ 14	3 M KCl	Glass	5~60 °C	Single ceramic	Ag/AgCl	Φ12×120 mm	BNC(Q9)
PRO6141	231-01	pH indicator electrode	0 ~ 14	○	Glass	5~60 °C	○	Longlife Ref.	Φ12×120 mm	BNC(Q9)
PRO5979	962201	pH composite electrode (Premium)	0 ~ 14	3 M KCl	Glass	0~80 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7
PRO6142	962103	pH composite electrode (Low maintenance)	0 ~ 14	unfillable	Polycarbonate	0~80 °C	Open	Longlife Ref.	Φ12×120 mm	BNC(Q9)
PRO5981	962221	pH composite electrode (Ultrapure water)	0 ~ 11	3 M KC	Glass	0~80 °C	Unmovable glass grinding mout	Longlife Ref.	Φ12×185 mm	S7
PRO6143	962121	pH composite electrode (Low conductivity)	0 ~ 11	unfillable	Epoxy	0~80 °C	Porous PTFE	Longlife Ref.	Φ12×120 mm	S7
PRO6144	962241	pH composite electrode (Blade spear)	0 ~ 14	3 M KCl	POM&316 stain less stee	0~60 °C	Ceramic	Longlife Ref.	Φ6×100 mm +Φ12×120 mm	BNC(Q9)
PRO6145	962242	pH composite electrode (Flat)	1 ~ 12	3 M KCl	Glass	0~60 °C	Unmovable glass grinding mouth	Longlife Ref.	Φ12×120 mm	S7
PRO6146	962244	pH composite electrode (Slender)	0 ~ 14	3 M KCl	Glass	0~60 °C	Ceramic	Longlife Ref.	Φ6×100 mm +Φ12×120 mm	S7
PRO6147	962243	pH composite electrode (Long)	0 ~ 14	3 M KCl	Glass	0~80 °C	Ceramic	Longlife Ref.	Φ12×260 mm	S7
PRO6041	962102	pH composite electrode (Cleanable)	0 ~ 14	3 M KCl	Polypropylene (PP)	0~80 °C	movable plastic grinding mouth	Longlife Ref.	Φ12×120 mm	BNC(Q9)
PRO6148	962223	pH composite electrode (RoHS)	0 ~ 14	3 M KCl	Lead-free glass	0~80 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7
PRO6149	962224	pH composite electrode (High temp. resistance)	0 ~ 14	3 M KCl	Glass	0~105 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7
PRO6150	962245	pH composite electrode (Alkali resistance)	0 ~ 14	3 M KCl	Glass	0~80 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7
PRO6151	962122	pH composite electrode (HF acid titrate)	2 ~ 11	3 M KCl	PP	0~60 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7
PRO6152	962246	pH composite electrode (HF acid resistance)	0 ~ 14	3 M KCl	Glass	0~80 °C	Ceramic	Longlife Ref.	Φ12×120 mm	S7

EC Electrodes

EC Electrodes							
SKU	Model	Name	Measurement range	Sensor Material	Working temp	Dimension	Connector Type
PRO6153	DJS-1VC	Conductivity Electrode (k=1)	2~20000 μS/cm	Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6154	DJS-1VTC	Conductivity Electrode (k=1, ATC)	2~20000 μS/cm	Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6155	DJS-1VG	Conductivity Electrode (k=1)		Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6156	DJS-1VTG	Conductivity Electrode (k=1, ATC)		Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6157	DJS-0.1VTG	Conductivity Electrode (k=0.1, ATC)		Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6158	DJS-0.01VT	Conductivity Electrode (k=0.01, ATC)		Titanium alloy	0~60 °C	Φ18×50 mm	5-pin aviation
PRO6159	DJS-0.01VT	Conductivity Electrode (k=0.01, ATC, with removable flow cell)		Titanium alloy	0~60 °C	Φ18×50 mm	5-pin aviation
PRO6160	DJS-10VTC	Conductivity Electrode(k=10, ATC)		Glass	0~80 °C	Φ12×120 mm	5-pin aviation
PRO6161	DJS-1-L	Conductivity Electrode(k=1)		Glass	0~80 °C	Φ12×120 mm	5-pin aviation



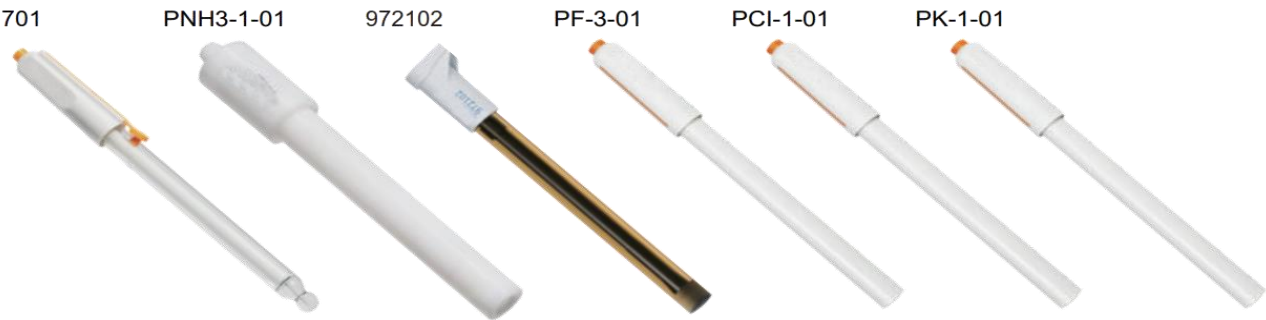
Combined Ione Selective Electrode

Model	Species	Measuring Range	M	B o d y	Dimension	Workin g Temp.	Connector	Junction	Electr	Reference Type	Workin g pH
701	Sodium (Na+)	10-1M~10-6M	G	G	Φ12×120 mm	5~45 °C	BNC(Q9)	Ceramic	1 M NH4Cl	Ag/AgCl	/
PF-202-C	Fluoride (F-)	10-1M~10-6M	C	P	Φ12×120 mm	5~45 °C	BNC(Q9)	Fabric	3 M KCl	Ag/AgCl	/
PF-202	Fluoride (F-)	10-1M~10-6M	C	P	Φ12×120 mm	5~60 °C	BNC(Q9)	POM	U	Ag/AgCl	
PNH3-1-01	Ammonia (NH3)	10-1M~5×10-6M	G	P	Φ12×120 mm	5~45 °C	BNC(Q9)	/	/	/	/
972101	Fluoride (F-)	1.0×10-6M ~ saturation	C	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	5-7
972102	Chloride (Cl-)	5.0×10-5M ~ 1.0M	S	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2-12
972103	Bromide (Br-)	2.0×10-6M ~ 1.0M	S	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2-13
972104	Iodide (I-)	1.0×10-7M ~ 1.0M	S	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	0-12
972105	Cupric (Cu2+)	1.0×10-7M ~ 0.1M	S	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2-12
972106	Lead (Pb2+)	1.0×10-6M ~ 0.1M	S	P	Φ12×120 mm	0-80°C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	4-7
972207	Sodium (Na+)	1.0×10-6M ~ saturation	G	G	Φ12×120 mm	0-80°C	S7	Polypropylene (PP)	S	ClickOk Ref.	6-12
972121	Potassium (K+)	1.0×10-6M ~ 1.0M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2.5-11
972122	Ammonium (NH4+)	1.0×10-6M ~ 1.0M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2-9
972123	Nitrate (NO3-)	1.0×10-5M ~ 1.0M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2.5-11
972124	Calcium (Ca2+)	5×10-7M ~ 1.0M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2.5-11
972125	Fluoroborate(B F4-)	1.0×10-6M ~ 0.1M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	2.5-11
972126	Perchlorate (ClO4-)	10-1M ~ 10-5M	P	P	Φ12×120 mm	0~40 °C	BNC(Q9)	Polypropylene (PP)	S	ClickOk Ref.	6-12
972140	Ammonia(NH3)	1.0×10-6M~1.0M	G	P	Φ12×120 mm	0~50 °C	BNC(Q9)	Polyformaldehyde (POM)	/	/	>11
972150	Residual chlorine	(0.01-20) ppm (Cl2)	S	P	Φ12×120 mm	0~60 °C	BNC(Q9)	Polyformaldehyde (POM)	/	/	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 Eelctrodes

Model	Species	Measuring Range (mol/L)	Membran e	Body	Dimension	Working Temp.	Connector
PF-2-01	Fluoride (F-)	1×10-6~0.1 M	C	P	Φ12×120 mm	5~45 °C	BNC(Q9)
PF-3-01	Fluoride (F-)	1×10-6~0.1 M	C	G	Φ12×120 mm	5~45 °C	BNC(Q9)
PCI-1-01	Chloride (Cl-)	5×10-5~0.1M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PBr-1-01	Bromide (Br-)	5×10-6~0.1 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PI-1-01	Iodide (I-)	5×10-7~0.1 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PK-1-01	Potassium (K+)	1×10-5~0.1 M	P	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PCa-1-01	Calcium (Ca2+)	1×10-5~0.1 M	P	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PCu-1-01	Cupric (Cu2+)	5×10-7~0.1 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PPb-1-01	Lead (Pb2+)	5×10-7~0.1 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PN03-1-01	Nitrate (NO3-)	1×10-5~0.1 M	P	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PClO4-1-01	Perchlorate (ClO4-)	5×10-6~0.1 M	P	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PAg/S-1-01	Silver/Sulfide (Ag+/S2-)	3×10-7~0.1 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PBF4-1-01	Fluoroborate (BF4-)	3×10-6~0.1 M	P	P	Φ12×120 mm	5~60 °C	BNC(Q9)
PCN-1-01	Cyanide (CN-)	1×10-6~1×10-2 M	S	P	Φ12×120 mm	5~60 °C	BNC(Q9)



Dissolved Oxygen Electrodes

Model	Name	Type	Measurement Range	Sensor material	Working Temp.	Dimension	Connector	Cable
DO-957-Q	Polarographic DO electrode	DO&Temp.	0~20 mg/L	ABS	5~40 °C	Φ12×120 mm	4-pin aviation	1m
DO-958-Q	Polarographic DO electrode	DO&Temp.	0~20 mg/L(0~50 mg/L within the special meter)	ABS	5~40 °C	Φ12×120 mm	4-pin aviation	1m
DO-968-HC	Optical DO electrode	DO&Temp.	0.00~20.00 mg/L	POM	5~40 °C	Φ16×150 mm	6-pin MiniDin	3m
DO-958-L	Polarographic DO electrode	DO&Temp.	0~20 mg/L	ABS	5~40 °C	Φ12×120 mm	6-pin MiniDin	1m

Temperature Probe

Model	Measurement Range	Connector Type	Sensor Material	Dimension	Temp. Compensation Unit
T-818-Q	-5 ~ 105 °C	4-pin aviation	316 stainless steel	Φ4×120 mm	2.25KΩ
T-818-A-6	-5 ~ 105 °C	BNC (Q6)	316 stainless steel	Φ4×120 mm	PT100
T-818-B-6	-5 ~ 105 °C	BNC (Q6)	316 stainless steel	Φ4×120 mm	2.25KΩ
T-820D	-5 ~ 105 °C	BNC (Q6)	316 stainless steel	Φ4×120 mm	PT1000
T-818-L	-5 ~ 105 °C	6-pin MiniDin	316 stainless steel	Φ4×120 mm	2.25KΩ

ORP Electrodes

Model	Name	Connector Type	Sensor Material	Dimension	Fill Solution	Reference Type	Working Temp.
501	ORP electrode	BNC(Q9)	Glass	Φ12×120mm	3 M KCl	Ag/AgCl	5~70 °C
ORP-503	ORP electrode	BNC(Q9)	Glass	Φ12×120mm	Saturated KCl	Staured Calomel	5~55°C

Reference Electrodes

odel	Type of Electrode	Connector Type	Fill Solution	Junction Material	Sensor Material	Dimension	Working Temp.
232-01	Saturated single-junction calomel electrode	U shape terminal	Saturated KCl solution	ceramic	Glass	Φ12×120 mm	5~55 °C
232-01-Q9	Saturated single-junction calomel electrode	BNC(Q9)	Saturated KCl solution	ceramic	Glass	Φ12×120 mm	5~55 °C
232-01-X	Saturated single-junction calomel electrode	Banana	Saturated KCl solution	ceramic	Glass	Φ12×120 mm	5~55 °C
217-01	Saturated double junction calomel electrode	U shape terminal	Saturated KCl solution (inner solution) + solution (Flexible choose)	ceramic	Glass	Φ12×120 mm	5~55 °C
217-01-X	Saturated double junction calomel electrode	Banana	Saturated KCl solution (inner solution) + solution (Flexible choose)	ceramic	Glass	Φ12×120 mm	5~55 °C
C(K ₂ SO ₄)-1-X	Mercuric sulfate single junction electrode	Banana	Saturated K ₂ SO ₄	ceramic	Glass	Φ12×120 mm	5~55 °C

Titration Electrodes

Model	Name	Connector Type	Sensor Material	Dimension	Unit Material Measuring	Working Temp.	Application
213-01	Platinum electrode	BNC(Q9)	Glass	Φ12×120mm	Platinum	0~50 °C	REDOX Titration
216-01	Silver electrode	BNC(Q9)	ABS	Φ12×120mm	Silver	5~50 °C	Precipitation Titration
213	Platinum electrode	U shape terminal	Glass	Φ12×120mm	Platinum	5~50 °C	REDOX Titration
215	Tungsten electrode	U shape terminal	Glass	Φ12×120mm	Tungsten	5~50 °C	REDOX Titration
982201	Conventional pH titration electrode	S7	Glass	Φ12×120mm	Glass	0-80 °C	Acid-base Titration
982202	Pollution resistant pH titration electrode	S7	Glass	Φ12×120mm	Glass	0-60 °C	Acid-base Titration
982211	Non aqueous pH titration electrode	S7	Glass	Φ12×120mm	Glass	0-60 °C	Non aqueous acid-base Titration
981121	Silver titration electrode	S7	PTFE	Φ12×120mm	Silver	5-50 °C	Precipitation Titration
962122	Hydrofluoric acid electrode	S7	Polypropylene	Φ12×120mm	Antimony	5-45 °C	Acid-base Titration
982241	ORP titration electrode	S7	Glass	Φ12×120mm	Platinum	0-80 °C	REDOX Titration

Photometric Electrode

Model	Name	Wave Length	Sensor material	Dimension	Light color	Mini titration sample	Connector Type	Application
GD-520	Photometric Electrode	520nm	Glass	Φ10×120mm	Green	at least > 70mL	4-pin aviation	Ti-50-G
GD-570	Photometric Electrode	570nm	Glass	Φ10×120mm	Yellow green	at least > 70mL	4-pin aviation	Ti-50-G
GD-620	Photometric Electrode	620nm	Glass	Φ10×120mm	Red	at least > 70mL	4-pin aviation	Ti-50-G

Titration Electrode

Model	Name	Connector Type	Application
CDJ-1	Electrolysis electrode(Dryer included SC5.111.007)	BNC(Q9)	Trace Moisture
CDY-1	Working electrode	4-pin aviation(small)	Trace Moisture
	Karl Fischer Titrator Electrode	4-pin aviation(small)	Moisture

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		Ref. Electrode Connector: Banana	
On meter	On probe	On meter	On probe	On meter	On probe	On meter	On probe	On meter	On probe
									

PH ELECTRODE SELECTION GUIDE

Application	Sample Type	Premium	Alkali Resistance	Cleanable	Low Maintenance	Low Conductivity	HF Acid Titrant	HF Acid	Ultrapure Water	High Temp. Resistance	Blade Spear	Flat	Long	
Aqueous Solution		SKU: PRO	5979	6150	6041	6142	61143	6151	6152	2981	6149	6144	6145	6147
	Dilute acidity / Dilute alkaline	●				●				●				
	Fertilizer	●				●				●				
	Aldehydes ketones, alcohols, ethers													
	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 / Hair dye / lotion			●	●									
Skin														
	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 > 100 μS/cm					●								
	Sample EC < 100 μS/cm / ultra-pure water, deionized water								●					
	Highly concentrated acidic wastewater containing fluorine (≤2000 ppm HF)							●						
	Acidic sample with a high concentration of fluorine (Hydrofluoric acid)						●							
	Rain					●								
	Soil										●			
	Soil leach				●	●			●					
	Mud			●	●									
Sample Containers														
	Large container													●
	Reactor													●
High Temperature														
	High temperature (80–110°C)									●				
● Recommended ○ Applicable, service life may be affected.														



COLO LabExperts

Polje ob Sotli 4

SI-3255 Slovenia

www.colo.si

Email: sales@colo.si