HORIBA
Scientific

LAQUA

LAQUA 2000 Series Benchtop Water Quality Meters

3 YEAR WARRANTY

pH	ORP	Ion	Conductivity	Dissolved Oxygen
Resistivity	Total Dissolved Solids	Biochemical Oxygen Demand	Salinity	

www.horiba-laqua.com

LAQUA

LAQUA 2000 Series Benchtop Water Quality Meters

SCAN

Scan the code to view the complete lineup of LAQUA Benchtop Water Quality Meters.

Ready to go out of the box

Meter kits come with electrodes and calibration solutions

Adjustable, Integrated Electrode Stand

Holds up to 2 electrodes and can be positioned on either side of the meter

Sleek Design

Clean and elegant body with rounded edges

Smaller Footprint

Perfect for large and even small-scale labs as meter occupies minimal space

Universal Power Adaptor

Multi-voltage 100~240V with 6 plugs (US, UK, EU, ANZ, Korea, China)

☺ Smiley and beep sound

Indicate reading stability in measurement and calibration modes

5” Digital Backlit Display

Shows all important readings and indicators for every measurement

Electrode Status

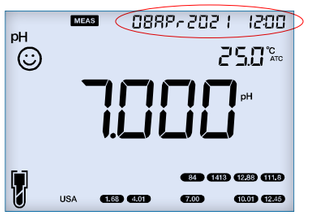
Reveals electrode condition based on calibration data

LAQUA

LAQUA 2000 Series Benchtop Water Quality Meters

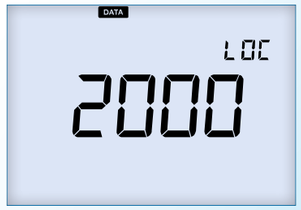
Auto Cal Standards

Icon lights up after calibration making standard solutions used viewable at a glance



Real Time Clock

Keeps precise time and date and facilitates functions that are time-dependent

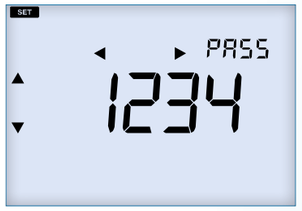


Large Internal Memory

Accepts up to 2000 data sets

Auto Data Log

Captures and stores data into memory based on specified time interval



Password Protected

A 4-digit password secures the meter setup mode from unauthorized access

Software Upgrade

Latest software version can be loaded into the meter when available

Adjustable Shut-Off Time

Switches the meter off at idle (up to 30 minutes)

Temperature Calibration

CAL Temp Mode allows temperature calibration

Data Acquisition Software Connectivity

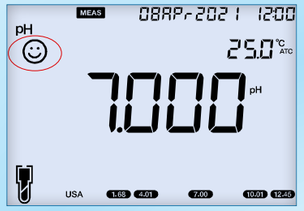
Data can be transferred to computer and exported to CSV/Excel/PDF via USB cable and complimentary DAS20 software

ATC mode

MTC mode

Temperature Compensation

Temperature in °C or °F is either automatically detected when temperature sensor is connected (ATC mode) or manually entered by the user (MTC mode)



Auto Stable

Auto Hold

Real Time

Auto Stable mode signals stable reading, Auto Hold mode locks stable reading, and Real Time mode continuously displays live readings

Audible Feedback

Emits single beep when keys are pressed

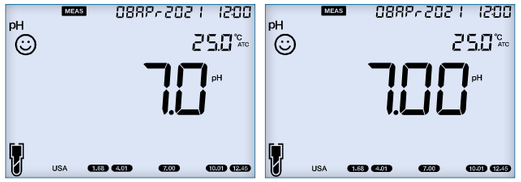
Data Printing Capability

Data with date and time stamp can be printed for GLP/GMP compliance

LAQUA-PH2000

pH/ORP/Temp (°C/°F) Bench Meter

Displays 3 types of selectable pH resolutions



Provides accurate pH readings with auto temperature compensation

VIDEO

Accepts up to 6 calibration points

Sets off calibration alarm when activated

VIDEO

Allows 1-point ORP calibration

VIDEO

Records offset, segment slope(s), and average slope after pH calibration

More pH buffer groups for calibration

pH Buffer Group	pH Buffer Values (25°C)
USA	1.68, 4.01, 7.00, 10.01, 12.45
NIST	1.68, 4.01, 6.86, 9.18, 12.45
NIST2	1.68, 4.01, 6.86, 10.01, 12.45
DIN	1.09, 3.06, 4.65, 6.79, 9.23, 12.75
CUST	Use up to 6 pH buffers that are 1.0 pH apart for manual calibration

Model	LAQUA-PH2000 pH/ORP/Temp (°C/°F) Bench Meter
pH Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	± 0.003 pH
pH Buffer Groups	USA, NIST, NIST2, DIN, Custom
Calibration Points	Up to 5 (USA, NIST, NIST2) / Up to 6 (DIN, Custom)
ORP Range	± 2000.0 mV
Resolution	0.1 mV
Accuracy	± 0.2 mV
Calibration Option	Yes (Up to ± 200 mV)
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Offset & Slope Display	Yes (Segment & Average Slopes)
Calibration Alarm	Yes (Programmable: up to 90 days)
Auto Shut-Off	Yes (Programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	BNC, phono (ATC), DC sockets
Display	5" Custom LCD with backlight and 320 segments
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 765g

Meter Kits	
PH2000 3200912571	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
PH2000-S 3200905158	• PH2000 • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 502-S USA pH buffers kit
PH2000-SN 3200905163	• PH2000 • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 501-S NIST pH buffers kit

LAQUA pH Electrodes

ToupH Standard Electrode

9615S-10D
General laboratory application

pH Range: 0-14
Operating Temperature Range (°C): 0-100
Liquid Junction: Ceramic

ToupH Sleeve Electrode

9681S-10D
High viscosity application

pH Range: 0-14
Operating Temperature Range (°C): 0-60
Liquid Junction: Movable Sleeve

ToupH Micro Electrode

9618S-10D
Precious trace amount sample

pH Range: 0-14
Operating Temperature Range (°C): 0-60
Liquid Junction: Ceramic

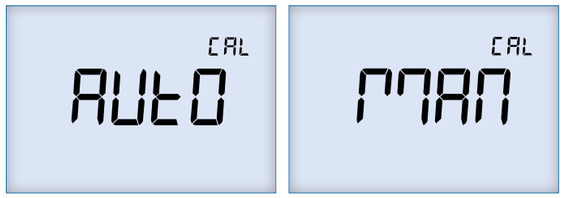
For more electrode options

SCAN

LAQUA-EC2000

Conductivity/Resistivity/TDS/Salinity/Temp (°C/°F) Bench Meter

Allows auto and manual conductivity calibrations



Calculates resistivity, TDS, and salinity based on measured conductivity

Provides accurate conductivity readings with auto temperature compensation

VIDEO

Accepts up to 5 conductivity calibration points

Allows 1-point salinity calibration

VIDEO

VIDEO

Records individual and average calibration factors after conductivity calibration

Meter Kits	
EC2000 3200912572	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
EC2000-S 3200905159	• EC2000 • 9382-10D Ti/Pt black plastic-body conductivity electrode k=1.0 with built-in temperature sensor • 503-S Conductivity standard solutions kit

Model	LAQUA-EC2000 Conductivity/Resistivity/TDS/Salinity/Temp (°C/°F) Bench Meter
Conductivity Range	0.000 to 1.999 µS/cm (k = 0.1) 2.00 to 19.99 µS/cm (k = 0.1, 1) 20.0 to 199.9 µS/cm (k = 0.1, 1, 10) 200 to 1999 µS/cm (k = 0.1, 1, 10) 2.00 to 19.99 mS/cm (k = 0.1, 1, 10) 20.0 to 199.9 mS/cm (k = 1, 10) 0.200 to 2.000 S/cm (k = 10)
Units	Auto ranging S/cm, S/m (µS ↔ mS)
Resolution	0.05% full scale
Accuracy	± 0.6% full scale; ± 1.5% full scale > 18.0 mS/cm
Reference Temperature	15.0 to 30.0 °C (adjustable)
Temperature Coefficient	0.00 to 10.00 % per °C (adjustable)
Cell Constants	0.0700 to 13.000 (adjustable)
Calibration Points	Up to 4 (Auto) / Up to 5 (Manual)
Resistivity Range	0.000 Ω•cm to 20.0 MΩ•cm
Resolution	0.5% full scale
Accuracy	± 0.6% full scale; ± 1.5% full scale > 1.80 MΩ•cm
Total Dissolved Solids (TDS) Range	0.01 to 9.99 mg/L (ppm) 10.0 to 99.9 mg/L (ppm) 100 to 999 mg/L (ppm) 1.00 to 9.99 g/L (ppt) 10.0 to 100 g/L (ppt)
Resolution	0.01, 0.1, 1 mg/L ↔ g/L (ppm ↔ ppt)
Accuracy	± 0.1% full scale
TDS Curves	EN27888, 442, NaCl, Linear (0.40 to 1.00)
Salinity Range	0.0 to 100.0 ppt / 0.00 to 10.00 %
Resolution	0.1 ppt / 0.01%
Accuracy	± 0.2% full scale
Salinity Curves	NaCl / Seawater
Calibration Option	Yes
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Auto Shut-Off	Yes (Programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	BNC, phono, DC sockets
Display	5" Custom LCD with backlight and 320 segments
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 765g

Pre-programmed with TDS and salinity curves for various applications

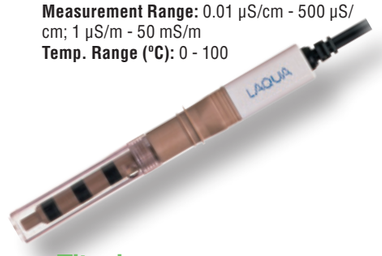
TDS Curves	Applications
EN27888	Environmental
442 (Na_2SO_4, $NaHCO_3$, NaCl)	Boiler water, HVAC
NaCl	Aquaculture, pickling
Linear (KCl)	General

LAQUA Conductivity Electrodes

Stainless Steel Conductivity Cell

9371-10D
Low conductivity application

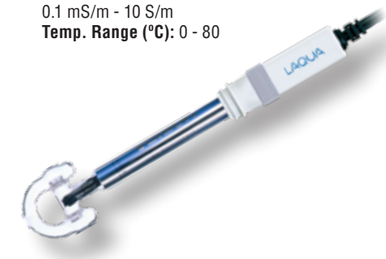
Cell Constant: 0.1 cm^{-1}; 10 m^{-1}
Measurement Range: 0.01 µS/cm - 500 µS/cm; 1 µS/m - 50 mS/m
Temp. Range (°C): 0 - 100



Titanium Conductivity Cell

9382-10D
General purpose application

Cell Constant: 1 cm^{-1}; 100 m^{-1}
Measurement Range: 1 µS/cm - 100 mS/cm; 0.1 mS/m - 10 S/m
Temp. Range (°C): 0 - 80



Platinum Conductivity Cell

3553-10D
High conductivity application

Cell Constant: 10 cm^{-1}; 1000 m^{-1}
Measurement Range: 10 µS/cm - 1 S/cm; 1 mS/m - 100 S/m
Temp. Range (°C): 0 - 60

LAQUA-ION2000

pH/ORP/Ion/Temp (°C/°F) Bench Meter

Provides direct measurements of ion concentrations in various units

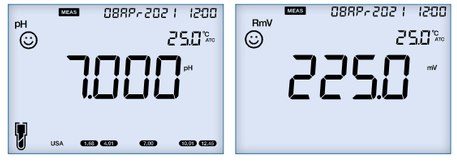
VIDEO

Accepts up to 5 user-defined ion calibration points

Records segment slope(s) and average slope after ion calibration.

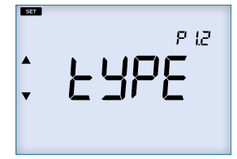
VIDEO

Provides accurate pH and ORP readings with auto temperature compensation



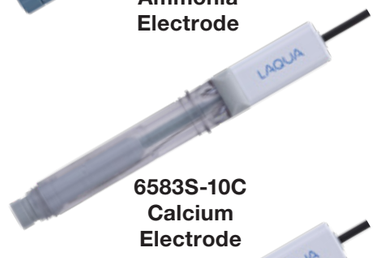
Model	LAQUA-ION2000 pH/ORP/Ion/Temp (°C/°F) Bench Meter
pH Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	± 0.003 pH
pH Buffer Groups	USA, NIST, NIST2, DIN, Custom
Calibration Points	Up to 5 (USA, NIST, NIST2) / Up to 6 (DIN, Custom)
ORP Range	± 2000.0 mV
Resolution	0.1 mV
Accuracy	± 0.2 mV
Calibration Option	Yes (Up to ± 200 mV)
Ion Range	0.000 µg/L to 9999 g/L
Units	µg/L ↔ mg/L ↔ g/L, ppm ↔ ppt, mmol/L ↔ mol/L
Resolution	4 Significant digits
Accuracy	± 0.3% full scale or ± 0.2 mV, whichever is higher
Calibration Points	Up to 5
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Offset & Slope Display	Yes (Segment & Average Slopes)
Calibration Alarm	Yes (Programmable: up to 90 days)
Auto Shut-Off	Yes (programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	BNC, phono (ATC), DC sockets
Display	5" Custom LCD with backlight and 320 segments
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 765g

Meter Kits	
ION2000 3200912573	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
NH3 2000-S 4000052303	• ION2000 • 5002S-10C Ammonia electrode
CA 2000-S 4000052304	• ION2000 • 6583S-10C Calcium electrode
CL 2000-S 4000052305	• ION2000 • 6560S-10C Chloride electrode
F 2000-S 4000052306	• ION2000 • 6561S-10C Fluoride electrode
NO3 2000-S 4000052307	• ION2000 • 6581S-10C Nitrate electrode
K 2000-S 4000052308	• ION2000 • 6582S-10C Potassium electrode



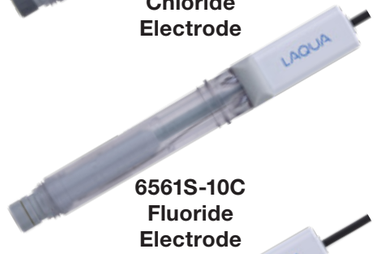
Provides a selection of ion electrode types and allows ion valence setting

5002S-10C Ammonia Electrode

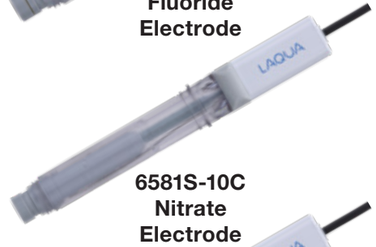


6583S-10C Calcium Electrode

6560S-10C Chloride Electrode



6561S-10C Fluoride Electrode



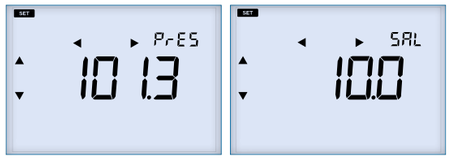
6581S-10C Nitrate Electrode

6582S-10C Potassium Electrode

LAQUA-DO2000

DO/BOD/Temp (°C/°F)

Measures dissolved oxygen (DO) and biochemical oxygen demand (BOD)



Compensates the effects of salinity, barometric pressure, and temperature in DO reading

Allows auto and manual DO calibrations with galvanic DO electrodes

VIDEO

Records span coefficient after DO calibration

VIDEO

VIDEO

Accepts up to 2 DO calibration points

Calculates 5-day BOD with seed correction option

Model	LAQUA-DO2000 DO/BOD/Temp (°C/°F)
DO Range	0.0 to 60.00 mg/L, 0.0 to 600.0%
Resolution	0.01 mg/L, 0.1%
Accuracy	+/- 0.1 mg/L , +/- 1.0%
Salinity Compensation	0.0 to 40.0 ppt
Barometric Pressure Compensation	10.0 to 200.0 kPa
BOD Measurement	5-day BOD with seed correction option
DO Probe Type	Galvanic integrated with temperature sensor
Calibration Points	Up to 2
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Auto Shut-Off	Yes (Programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	BNC, phono (ATC), DC sockets
Display	5" Custom LCD with 320 segments and backlight
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 765g

Meter Kits	
DO2000 3200946350	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
DO2000-S 3200946351	• DO2000 • 9521-10D DO electrode with built-in temperature sensor, replaceable DO tip, detachable adapter and stirrer*

*Magnetic stir plate is required

LAQUA Dissolved Oxygen Electrode

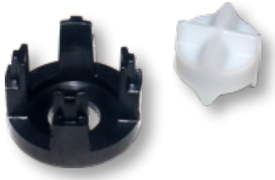
Galvanic DO Electrode

9521-10D
DO / BOD applications
Measurement Range: 0 - 20 mg/L, 0 - 200% DO
Temp. Range (°C): 0 - 50

SCAN

7544
DO Electrode tip for 9521-10D

SCAN



Stirrer Set
For 9521-10D

SCAN

LAQUA-PC2000

pH/ORP/Ion/Conductivity/Resistivity/TDS/Salinity/Temp (°C/°F)

Combination of ION2000 and EC2000

Multi-parameter meter with dual channel input

Meter Kits	
PC2000 3200912574	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
PC2000-S 3200905161	• PC2000 • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 9382-10D Ti/Pt black plastic-body conductivity cell k=1.0 with built-in temperature sensor • 502-S USA pH buffers kit • 503-S Conductivity standard solutions kit
PC2000-SN 3200905166	• PC2000 • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 9382-10D Ti/Pt black plastic-body conductivity cell k=1.0 with built-in temperature sensor • 501-S NIST pH buffers kit • 503-S Conductivity standard solutions kit

Model	LAQUA-PC2000 pH/ORP/Ion/Conductivity/Resistivity/TDS/Salinity/Temp (°C/°F)
pH Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	± 0.003 pH
pH Buffer Groups	USA, NIST, NIST2, DIN, Custom
Calibration Points	Up to 5 (USA, NIST, NIST2) / Up to 6 (DIN, Custom)
ORP Range	± 2000.0 mV
Resolution	0.1 mV
Accuracy	± 0.2 mV
Calibration Option	Yes (Up to ± 200 mV)
Ion Range	0.000 µg/L to 9999 g/L
Units	µg/L ↔ mg/L ↔ g/L, ppm ↔ ppt, mmol/L ↔ mol/L
Resolution	4 Significant digits
Accuracy	± 0.3% full scale or ± 0.2 mV, whichever is higher
Calibration Points	Up to 5
Conductivity Range	0.000 to 1.999 µS/cm (k = 0.1) 2.00 to 19.99 µS/cm (k = 0.1, 1) 20.0 to 199.9 µS/cm (k = 0.1, 1, 10) 200 to 1999 µS/cm (k = 0.1, 1, 10) 2.00 to 19.99 mS/cm (k = 0.1, 1, 10) 20.0 to 199.9 mS/cm (k = 1, 10) 0.200 to 2.000 S/cm (k = 10)
Units	Auto ranging S/cm, S/m (µS ↔ mS)
Resolution	0.05% full scale
Accuracy	± 0.6% full scale; ± 1.5% full scale > 18.0 mS/cm
Reference Temperature	15.0 to 30.0 °C (adjustable)
Temperature Coefficient	0.00 to 10.00 % per °C (adjustable)
Cell Constants	0.0700 to 13.000 (adjustable)
Calibration Points	Up to 4 (Auto) / Up to 5 (Manual)
Resistivity Range	0.000 Ω•cm to 20.0 MΩ•cm
Resolution	0.5% full scale
Accuracy	± 0.6% full scale; ± 1.5% full scale > 1.80 MΩ•cm
Total Dissolved Solids (TDS) Range	0.01 to 9.99 mg/L (ppm) 10.0 to 99.9 mg/L (ppm) 100 to 999 mg/L (ppm) 1.00 to 9.99 g/L (ppt) 10.0 to 100 g/L (ppt)
Resolution	0.01, 0.1, 1 mg/L ↔ g/L (ppm ↔ ppt)
Accuracy	± 0.1% full scale
TDS Curves	EN27888, 442, NaCl, Linear (0.40 to 1.00)
Salinity Range	0.0 to 100.0 ppt / 0.00 to 10.00 %
Resolution	0.1 ppt / 0.01%
Accuracy	± 0.2% full scale
Salinity Curves	NaCl / Seawater
Calibration Option	Yes
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Offset & Slope Display	Yes (Segment & Average Slopes)
Calibration Alarm	Yes (Programmable: up to 90 days)
Auto Shut-Off	Yes (Programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	2 x BNC, 2 x phono (ATC), DC sockets
Display	5" Custom LCD with backlight and 320 segments
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 770g

LAQUA-PD2000

pH/ORP/Ion/DO/BOD/Temp (°C/°F)

Combination of ION2000 and DO2000

Multi-parameter meter with dual channel input

Meter Kits	
PD2000 3200946352	• Meter with integrated electrode stand • Universal power adaptor with 6 plugs • Manual
PD2000-S 3200946353	• PD2000 • 9521-10D DO electrode with built-in temperature sensor, replaceable DO tip, detachable adapter and stirrer* • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 502-S USA pH buffers kit
PD2000-SN 3200946354	• PD2000 • 9521-10D DO electrode with built-in temperature sensor, replaceable DO tip, detachable adapter and stirrer* • 9615S-10D refillable, glass-body pH electrode with built-in temperature sensor • 501-S NIST pH buffers kit

*Magnetic stir plate is required

Model	LAQUA-PD2000 pH/ORP/Ion/DO/BOD/Temp (°C/°F)
pH Range	-2.000 to 20.000 pH
Resolution	0.1 / 0.01 / 0.001 pH
Accuracy	± 0.003 pH
pH Buffer Groups	USA, NIST, NIST2, DIN, Custom
Calibration Points	Up to 5 (USA, NIST, NIST2) / Up to 6 (DIN, Custom)
ORP Range	± 2000.0 mV
Resolution	0.1 mV
Accuracy	± 0.2 mV
Calibration Option	Yes (Up to ± 200 mV)
Ion Range	0.000 µg/L to 9999 g/L
Units	µg/L ↔ mg/L ↔ g/L, ppm ↔ ppt, mmol/L ↔ mol/L
Resolution	4 Significant digits
Accuracy	± 0.3% full scale or ± 0.2 mV, whichever is higher
Calibration Points	Up to 5
DO Range	0.0 to 60.00 mg/L, 0.0 to 600.0%
Resolution	0.01 mg/L, 0.1%
Accuracy	+/- 0.1 mg/L , +/- 1.0%
Salinity Compensation	0.0 to 40.0 ppt
Barometric Pressure Compensation	10.0 to 200.0 kPa
BOD Measurement	5-day BOD with seed correction option
DO Probe Type	Galvanic integrated with temperature sensor
Calibration Points	Up to 2
Temperature Range	-30.0 to 130.0 °C / -22.0 to 266.0 °F
Resolution	0.1 °C / °F
Accuracy	± 0.5 °C / ± 0.9 °F
Calibration Option	Yes (± 10.0 °C / ± 18.0 °F range in 0.1 °C increments)
Memory	2000
Auto Data Log	Yes
Real-time Clock	Yes
Date & Time Stamp	Yes
Measurement Modes	Auto Stable / Auto Hold / Real Time
Offset & Slope Display	Yes (Segment & Average Slopes)
Calibration Alarm	Yes (Programmable: up to 90 days)
Auto Shut-Off	Yes (Programmable: up to 30 mins.)
Electrode Status	On screen display
Diagnostics	Yes
Password Setting	Yes
Software Upgrade	Yes
PC / Printer Communication	Phono jack (USB / RS232C)
Meter Inputs	2 x BNC, 2 x phono (ATC), DC sockets
Display	5” Custom LCD with 320 segments and backlight
Power Requirement	AC adaptor 100 - 240V, 50 - 60Hz
Dimensions & Weight	155(L) x 150(W) x 67(H) mm, 770g

Solutions & Accessories

pH Buffers

Part No.	Model	Description
3999960015	501-S	NIST pH Buffers Kit (pH 4.01, 6.86, 9.18 buffers & 3.33M KCl, 250ml each)
3999960016	502-S	USA pH Buffers Kit (pH 4.01, 7.00, 10.01 buffers & 3.33M KCl, 250ml each)
3999960028	500-2	pH 1.68 Buffer at 25°C, 500ml
3999960029	500-4	pH 4.01 Buffer at 25°C, 500ml
3999960030	500-686	pH 6.86 Buffer at 25°C, 500ml
3999960031	500-7	pH 7.00 Buffer at 25°C, 500ml
3999960032	500-9	pH 9.18 Buffer at 25°C, 500ml
3999960033	500-10	pH 10.01 Buffer at 25°C, 500ml
3999960034	500-12	pH 12.46 Buffer at 25°C, 500ml

Conductivity Standards

Part No.	Model	Description
3999960017	503-S	Conductivity Standard Solutions Kit (84µS/cm, 1413µS/cm, 12.88mS/cm & 111.8mS/cm, 250ml each)
3999960035	500-21	84µS/cm Conductivity Standard Solution at 25°C, 500ml
3999960036	500-22	1413µS/cm Conductivity Standard Solution at 25°C, 500ml
3999960037	500-23	12.88mS/cm Conductivity Standard Solution at 25°C, 500ml
3999960038	500-24	111.8mS/cm Conductivity Standard Solution at 25°C, 500ml

ORP Standard Solution & Powders

Part No.	Model	Description
4000047848	500-225	ORP Standard Solution 225 mV at 25°C, 500ml
3200043618	160-51	ORP Powder 89 mV at 25°C (for 250ml), 10 sachets/pack
3200043617	160-22	ORP Powder 258 mV at 25°C (for 250ml), 10 sachets/pack

Ion Standard Solutions

Part No.	Model	Description
3200697171	500-NH4-SH	1000 mg/L Ammonium Ion Standard Solution, 500ml
3200697172	500-NH4-SL	100 mg/L Ammonium Ion Standard Solution, 500ml
3200697175	500-CA-SH	1000 mg/L Calcium Ion Standard Solution, 500ml
3200697176	500-CA-SL	100 mg/L Calcium Ion Standard Solution, 500ml
3200697167	500-CL-SH	1000 mg/L Chloride Ion Standard Solution, 500ml
3200697168	500-CL-SL	100 mg/L Chloride Ion Standard Solution, 500ml
3200697163	500-F-SH	1000 mg/L Fluoride Ion Standard Solution, 500ml
3200697164	500-F-SL	100 mg/L Fluoride Ion Standard Solution, 500ml
3200697179	500-NO3-SH	1000 mg/L Nitrate Ion Standard Solution, 500ml
3200697180	500-NO3-SL	100 mg/L Nitrate Ion Standard Solution, 500ml
3200697183	500-K-SH	1000 mg/L Potassium Ion Standard Solution, 500ml
3200697184	500-K-SL	100 mg/L Potassium Ion Standard Solution, 500ml

502-S USA pH Buffers Kit

503-S Conductivity Standard Solutions Kit


ORP Standard Solution


ORP Powders


Calcium Ion Electrode Solutions


Chloride Ion Electrode Solutions


Fluoride Ion Electrode Solutions


Potassium Ion Electrode Solutions


Ammonia Ion Electrode Solutions


Nitrate Ion Electrode Solutions

Ionic Strength Adjustors

Part No.	Model	Description
3200697174	500-NH3-ISA	Ammonia Ionic Strength Adjustor, 500ml
3200697178	500-CA-ISA	Calcium Ionic Strength Adjustor, 500ml
3200697170	500-CL-ISA	Chloride Ionic Strength Adjustor, 500ml
3200697166	500-F-TISAB	Fluoride Ionic Strength Adjustor, 500ml
3200697182	500-NO3-ISA	Nitrate Ionic Strength Adjustor, 500ml
3200697186	500-K-ISA	Potassium Ionic Strength Adjustor, 500ml

Electrode Filling Solutions

Part No.	Model	Description
3999960023	525-3	3.33M KCl pH / ORP Electrode Filling Solution, 250ml
3200043640	300	3.33M KCl pH / ORP Electrode Filling Solution, 250ml
3200697173	500-NH3-IFS	Ammonia Electrode Filling Solution, 500ml
3200697177	500-CA-IFS	Calcium Electrode Filling Solution, 500ml
3200697169	500-CL-IFS	Chloride Electrode Filling Solution, 500ml
3200697165	500-F-IFS	Fluoride Electrode Filling Solution, 500ml
3200697181	500-NO3-IFS	Nitrate Electrode Filling Solution, 500ml
3200697185	500-K-IFS	Potassium Electrode Filling Solution, 500ml

pH Electrode Cleaning Solutions

Part No.	Model	Description
3014028653	220	Electrode Cleaning Solution (for general contaminants), 50ml x 2
3200530494	230	Electrode Cleaning Solution (for rejuvenating electrode) includes Solution A (30ml) & Solution B (100ml)
3200366771	250	Electrode Cleaning Solution (for protein contaminants), 400ml

Accessories

Part No.	Description
3200861022	Integrated Electrode Stand for LAQUA 2000 Series Bench Meters
3014028368	X-51 pH/mV/Ion/DO/Temperature Digital Simulator
3014028370	X-52 Conductivity/Temperature Digital Simulator
3200869791	Universal power adaptor
3014030146	120V Printer with paper (printer cable is sold separately)
3014030147	230V Printer with paper (printer cable is sold separately)
3201025022	PC Cable (1.5m phono to USB cable for connecting meter to PC)
3200779638	Printer Cable (1.5m phono to 25-pin D-sub cable for connecting meter to printer)
3014030149	Printer Paper, 20 rolls
3014030150	Printer Ink Ribbon, 5pcs/pack


220 250


230
Cleaning Solutions

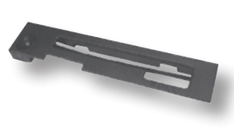

Integrated Electrode Stand for LAQUA 2000 Series Bench Meters

X-51 Digital Simulator

X-52 Digital Simulator


25-pin D-Sub Printer (RS232) cable (Meter to Printer)


PC (USB) cable (Meter to Computer)

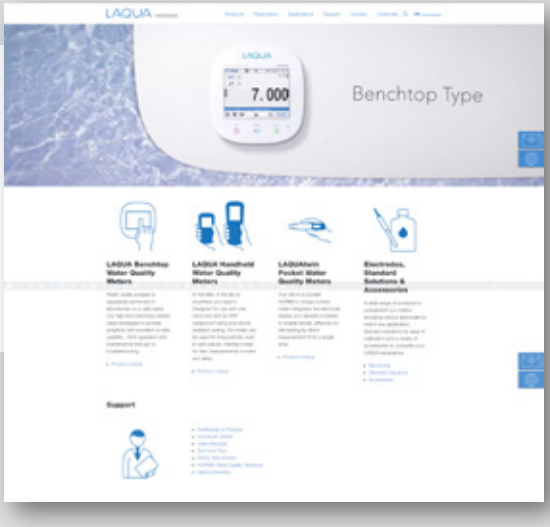

Printer ink ribbon


Printer paper


Printer

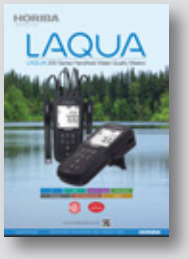
Water Quality Analyzers

With over 60 years of engineering excellence, HORIBA's diverse range of water quality analyzers and electrodes are ideal for everyday laboratory needs through to the most demanding of applications. Visit our website for a wealth of useful information and water quality measurement tips to help you obtain the best results in your work.



Benchtop Meters

Developed using extensive feedback from users, our new LAQUA meters deliver the best solution for water quality analysis. Our LAQUA website features an online 'Selection Guide' to enable you to find the perfect LAQUA meter and electrode for your need.



Handheld Meters

In the lab, in the field or anywhere you need it. LAQUA Handheld meters are designed for use with one hand and with an IP67 waterproof rating and shock-resistant casing. Meters can be used for long periods, even in dark places, making it ideal for field measurements in rivers and lakes.

Electrodes

Various electrodes to match any application. A wide range of products for both benchtop and portable systems are available, including easy and reliable standard models, application-focused models for small samples or large containers, and special electrodes for specific sample characteristics.

Pocket Meters

Analyzing water quality is simplified when using our LAQUAtwin range of meters. Designed to produce accurate and reliable results. Anyone, anywhere, at any time can measure samples easily with a LAQUAtwin meter. See just how good they are at our website.

Application Notes

LAQUAtwin pocket meters offer quick and convenient alternative to analyze important parameters with high accuracy. Several application notes are available at (http://goo.gl/znwE6j) detailing the use of LAQUAtwin and the results achieved for the respective applications. Additional application notes will be added when available.

Visit the **HORIBA LAQUA Singapore** Channel on YouTube and subscribe to see more of our videos.

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