HORIBA
Scientific

LAQUA

LAQUA WQ-300 Series Smart Handheld Water Quality Meters

pH | ORP | Dissolved Oxygen | Conductivity | Resistivity | Total Dissolved Solids | Salinity | Ion

3 YEAR METERS WARRANTY

MADE IN JAPAN

www.horiba-laqua.com

LAQUA WQ-300 Series

Smart Handheld Water Quality Meters

Meter and electrode shown in actual size

Scan code to view LAQUA WQ-300 Series feature video online

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

Large Colour Graphic LCD Screen with Backlight

All models have colour graphic digital LCD screen (70 x 52 mm) with white LED backlight for easy viewing.

Built-in Foldable Meter Stand

Collapsible meter stand is built-in at the back of the meter for convenient usage and storage.

IP67 Waterproof and Dustproof

Fully protected from dust and capable of withstanding water immersion up to 1 meter depth for 30 mins.

Battery and USB Powered

Four AA batteries or battery pack with micro USB cable can be used to power the meter in the field. USB charger plugged to a power outlet can be used for an uninterrupted operation in the lab.

Impact Resistant

Eco-friendly, Shock-proof, Scratch Resistant, and Non-slip

Apart from their high impact strength, the polycarbonate and TPE materials are also long-lasting and recyclable. The TPE provides non-slip grip and is not easily damaged by abrasion.
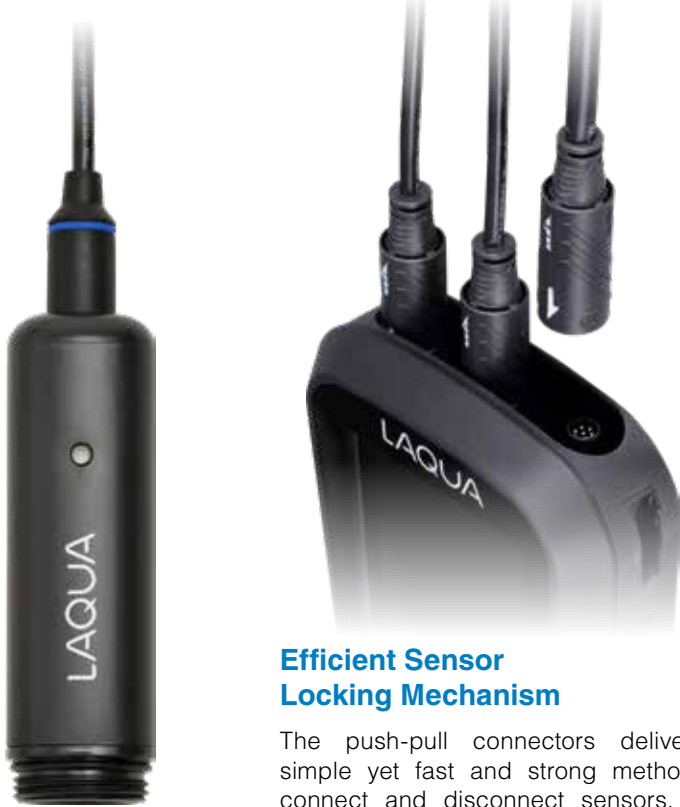

Built-in Sensor Holders

Three grooves on the meter housing serve as sensor holders.

LAQUA WQ-300 Series

Smart Handheld Water Quality Meters

No Sensor Adapter Needed

Each sensor head has two grooves and one hook which can be used to attach up to three sensor heads.

Efficient Sensor Locking Mechanism

The push-pull connectors deliver a simple yet fast and strong method to connect and disconnect sensors. The lock is released only when the outer sleeve of the connector is pulled back so accidental disconnection is prevented.

Compatible with Conventional Electrodes having BNC and Phono Connectors and Long Cables

With 300-BNC sensor head adapter, conventional electrodes with BNC and phono connectors can be connected to the meter. Also, electrodes with up to 10m cable can be used without noise problem.

Sensor's LED Light as Reading Stability Indicator

Blue LED light on the sensor head flashes until the reading is stable.

Blinking: unstable

Steady: stable

Hands-free Testing

Hang the meter using a wrist strap or lanyard, place it into the carrying case, or mount it to a wall while in use.

Ergonomic Design

The black meter housing is made of polycarbonate material covered with a layer of thermoplastic elastomer (TPE) material. It is lightweight, comfortable to touch, and suitable for field applications.

Rugged Carrying Case

Keeps all your equipment organized and secure.

Storage Space

Compartment for instruction manual and accessories.

DO Sensor Guard

Bottle Stand

Secures the bottles upright while doing calibration.

Bottle Holders

Stores up to 8 x 60ml bottles of Standard Solutions

Cable Space

For sensors with extra long cables

Cable Winder

Organize sensor cables neatly.

Sensor Holders

Holds pH, Conductivity, and DO sensors

Multi-Language Options

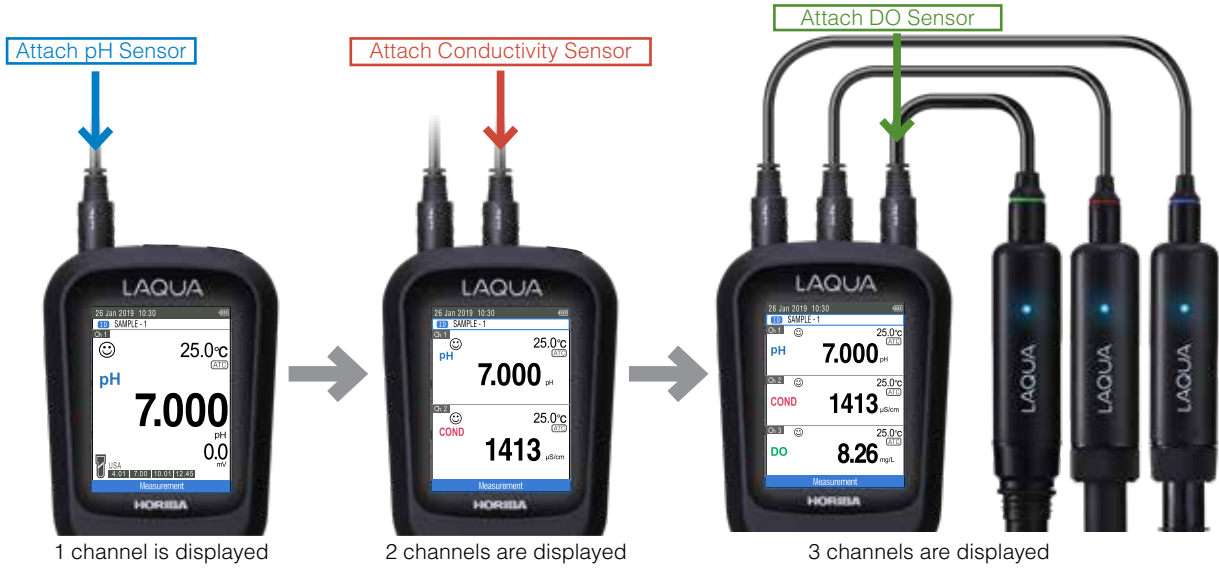Available in several languages—English, Japanese, French, German, Spanish, Portuguese, and Chinese.

Simultaneous Calibrations and Measurements

Applicable for dual- and triple-channel models.

Versatile Channels & Adaptive Display

Single-, dual-, and triple-channel models are available. Sensors can be connected to any channel in dual- and triple-channel models and the meter screen automatically adjusts.

Attach pH Sensor

Attach Conductivity Sensor

Attach DO Sensor

| 1 channel is displayed | 2 channels are displayed | 3 channels are displayed |

Automatic Sensor Recognition

Sensor info, calibration data, and measurement setup stored in sensor head are viewable in the meter when sensor is connected.

Data Transfer via USB or Wireless Communication

Meter stores up to 10,000 data with date/time stamp. Transfer data from meter to computer seamlessly via USB cable or wirelessly via Wi-Fi. Each meter comes with a wireless SD card.

Scan code to view LAQUA WQ-300 Series USB Data Transfer video

VIDEO

Scan code to view LAQUA WQ-300 Series Wireless Data Transfer video

VIDEO

Printer Communication

Print data using a printer via 25-pin D-sub printer cable.

VIDEO
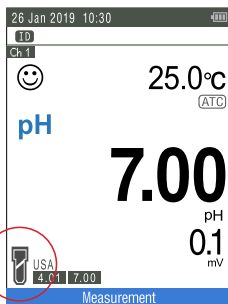
Sensor Status Indicator

Sensor icon presents the sensor condition after calibration.

Excellent   Very Good   Good

Temperature Sensor Indicator
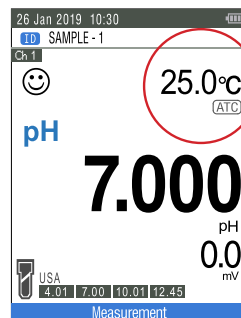
Temperature sensor is connected to meter

Temperature sensor is not connected to meter

Sample ID

Use up to eight characters for creating Sample ID.

Calibration Data

Right arrow button shows the latest calibration data.
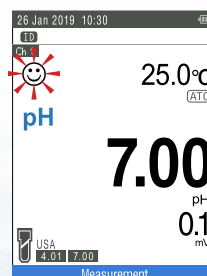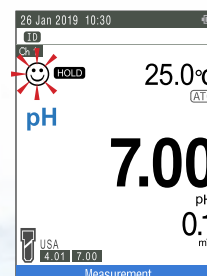
VIDEO

Measurement Modes

Auto Stable

Auto Hold

Real Time

VIDEO

VIDEO

VIDEO

LAQUA WQ-300 Series | Smart Handheld Water Quality Meters
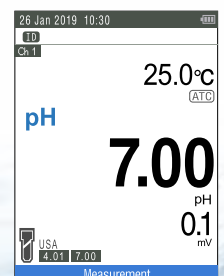
DO	COND	pH

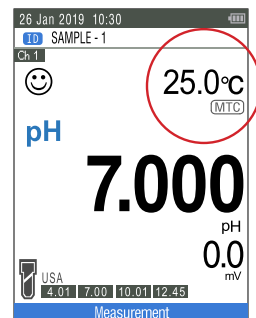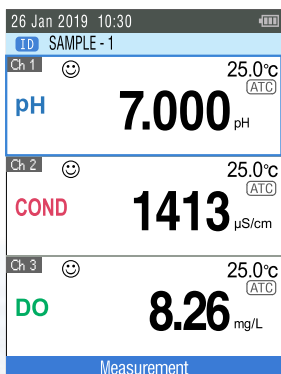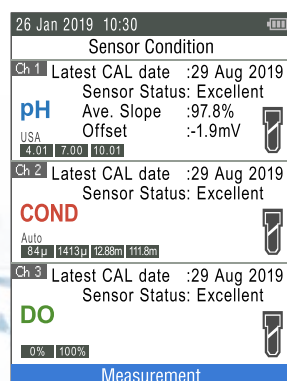Multi-parameter combinations

pH	pH	pH

Single parameter combinations

Customizable Meter Kit

Create a custom meter kit by selecting the meter, sensor, and accessories.

Up to 55 possible meter + sensor combinations

5 Combinations

WQ-310
Single Channel

- pH
- COND
- DO
- Ion
- ORP

15 Combinations

WQ-320
Dual Channel

pH	pH
COND	COND
DO	DO
Ion	Ion
ORP	ORP

COND	DO
COND	Ion
COND	ORP

pH	COND
pH	DO
pH	Ion
pH	ORP

DO	Ion
DO	ORP

Ion	ORP

35 Combinations

WQ-330
Triple Channel

DO	pH	Ion
Ion	COND	ORP
ORP	DO	pH
pH	Ion	COND
COND	ORP	DO

DO	COND	pH
Ion	DO	COND
ORP	Ion	DO
pH	ORP	Ion
COND	pH	ORP

pH	pH	pH
COND	COND	COND
DO	DO	DO
Ion	Ion	Ion
ORP	ORP	ORP

pH	pH	Ion
COND	COND	ORP
DO	DO	pH
Ion	Ion	COND
ORP	ORP	DO

pH	pH	DO
COND	COND	Ion
DO	DO	ORP
Ion	Ion	pH
ORP	ORP	COND

pH	pH	COND
COND	COND	DO
DO	DO	Ion
Ion	Ion	ORP
ORP	ORP	pH

pH	pH	ORP
COND	COND	pH
DO	DO	COND
Ion	Ion	DO
ORP	ORP	Ion

Choose your meter*:

Meter only

WQ-310-K
Single Channel
3200832605

WQ-320-K
Dual Channel
3200832606

WQ-330-K
Triple Channel
3200832607

Choose your sensor kit:

Sensor (2.0m cable) kit	Sensor (5.0m cable) kit
WQ 300 PH Kit 2M pH pH Sensor Kit with USA pH Buffers - 4000043090 pH Sensor Kit with NIST pH Buffers - 4000043092 pH Sensor Cartridge pH Sensor Head 2M 4.01, 7.00, 10.01 USA pH Buffers (60ml each)	**WQ 300 PH Kit 5M** pH pH Sensor Kit with USA pH Buffers - 4000043091 pH Sensor Kit with NIST pH Buffers - 4000043093 pH Sensor Cartridge pH Sensor Head 5M 4.01, 7.00, 10.01 USA pH Buffers (60ml each)
WQ 300 4-Cell EC Kit 2M COND 4-Cell Conductivity Sensor Kit with Conductivity Standards - 4000043094 4-cell Conductivity Sensor Cartridge EC Sensor Head 2M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)	**WQ 300 4-Cell EC Kit 5M** COND 4-Cell Conductivity Sensor Kit with Conductivity Standards - 4000043095 4-cell Conductivity Sensor Cartridge EC Sensor Head 5M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)
WQ 300 2-Cell EC Kit 2M COND 2-Cell Conductivity Sensor Kit with Conductivity Standards - 4000046656 2-cell Conductivity Sensor Cartridge EC Sensor Head 2M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)	**WQ 300 2-Cell EC Kit 5M** COND 2-Cell Conductivity Sensor Kit with Conductivity Standards - 4000046657 2-cell Conductivity Sensor Cartridge EC Sensor Head 5M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)
WQ 300 2-Cell EC Flow Cell Kit 2M COND 2-Cell Conductivity Sensor Kit with Flow-Cell and Conductivity Standards - 4000046674 2-cell Conductivity Sensor Cartridge Flow Cell EC Sensor Head 2M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)	**WQ 300 2-Cell EC Flow Cell Kit 5M** COND 2-Cell Conductivity Sensor Kit with Flow-Cell and Conductivity Standards - 4000046675 2-cell Conductivity Sensor Cartridge Flow Cell EC Sensor Head 5M 84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)
WQ 300 DO Kit 2M DO DO Sensor - 3200780940 Stainless Steel DO Sensor Protective Guard Optical DO Sensor with membrane cap 2M Calibration Bottle	**WQ 300 DO Kit 5M** DO DO Sensor - 3200780942 Stainless Steel DO Sensor Protective Guard Optical DO Sensor with membrane cap 5M Calibration Bottle
WQ 300 ION Kit 2M Ion Ion Sensor Kit - 4000043097 Sensor Head Adapter Ion Sensor Head 2M Ion Selective Electrode (sold separately)	
WQ 300 ORP Kit 2M ORP ORP Sensor Kit - 4000043096 Sensor Head Adapter ORP Sensor Head 2M 9300-10D ORP Electrode	*Includes carrying case, 4 x AA batteries, wireless SD card, user manual, and quick guide

Sensor head with built-in digital circuit

Retains sensor and measurement information

Sensor cartridge

Replaceable, cost efficient and environment-friendly

Smart Digital Sensor

HORIBA's Smart digital sensor technology

■ Maintenance-free, gel-filled pH sensor

No electrolyte refilling required

- KCl gel electrolyte
- Double junction reference
- Porous sintered polyethylene junction
- Built-in temperature sensor
- Rugged polycarbonate body
- Replaceable pH sensor cartridge
- pH sensor heads with 2m and 5m cables are available

pH

■ 2-Cell & 4-Cell conductivity sensors

Wide range of conductivity measurements possible

- 2-Cell conductivity sensor with flow cell is designed for ultra-pure water applications
- From clean water to industrial wastewater, the 4-cell type can measure a variety of samples with different conductivities
- Built-in temperature sensor
- Stainless steel 2-cell cartridge
- Durable epoxy / carbon body 4-cell cartridge
- Replaceable conductivity sensor cartridge
- Conductivity sensor heads with 2m and 5m cables are available

Minimum depth for temperature sensor 2.2cm

Detachable glass flow cell
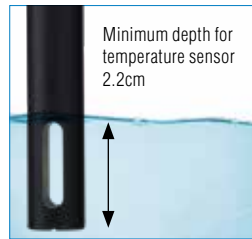
COND

■ Optical dissolved oxygen (DO) sensor

Longer usable life with excellent performance

- Easy to handle – not affected with sample flow velocity, not sensitive to hydrogen sulfide, DO sensor cap replacement after 1-2 years*
- Built-in temperature sensor
- Comes with replaceable DO sensor cap, air calibration bottle and Stainless Steel DO Sensor Protective Guard
- DO sensor heads with 2m and 5m cables are available

DO

■ Measurement part image

Photodetector (photodiode)

Excitation Light Source (Blue LED)

Reference light source (Red LED)

Excitation (Ultraviolet light)

Emission

Oxygen response fluorescent film
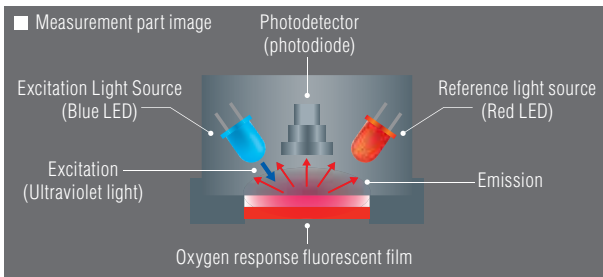
■ Ion sensor head

Compatible with conventional ion selective electrodes

- Accepts all combination ion selective electrodes with BNC connector
- Requires sensor head adapter
- Comes with 2m cable

Ion

■ ORP sensor head

Compatible with conventional ORP electrodes

- Accepts 9300-10D and other combination ORP electrodes with BNC connector
- Requires sensor head adapter
- Comes with 2m cable

ORP

*Depending on application, handling, and maintenance

LAQUA WQ-300 Series | Smart Handheld Water Quality Meters
Sensor and Meter Specifications

pH Sensor Head   pH / mV / Temp (°C/°F)

Model	300PH-2	300PH-5
Part No.	3200812206	3200812207
pH Range	-2.00 to 20.00 pH -2.000 to 20.000 pH	
Resolution	-2.00 to 20.00: 0.01 pH -2.000 to 20.000: 0.001 pH	
Accuracy	-2.00 to 20.00: ±0.01 -2.000 to 20.000: ±0.005	
Calibration Points	Up to 6	
pH Buffer Groups	USA, DIN, NIST, NIST10, Custom	
mV Range	±1000.0 mV	
Resolution	0.1 mV	
Accuracy	±0.1 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	
Body Material	ABS / Polycarbonate	
Length and Diameter	85 x 30 mm	
Connector	Push-pull	
Cable Length	2 m	5 m

pH Sensor Cartridge   pH/mV/Temp (°C/°F)

Model	300-P-C
Part No.	3200786363
pH Range	-2.00 to 20.00 pH -2.000 to 20.000 pH
Operating Temperature Range	0 to 80 °C -32.0 to 176.0 °F
Junction Material	Porous sintered polyethylene
Double Junction	Yes
Temperature Sensor	Built-in
Length and Diameter	110 x 16 mm
Body Material	Polycarbonate, glass bulb

Dissolved Oxygen Sensor   DO (mg/L, %) / O$_2$ / Temp (°C/°F)

Model	300-D-2	300-D-5
Part No.	3200780940	3200780942
Dissolved Oxygen (DO) Range	0.00 to 20.00 mg/L 0.0 to 200.0 %	
Resolution	0.01 mg/L, 0.1%	
Accuracy	±0.2 mg/L, ±2 %	
Salinity Compensation	Auto: by conductivity sensor / Manual: 0.0 to 40.0 ppt	
Barometric Pressure Compensation	Auto: by built-in barometer / Manual: 10.0 to 199.9 kPa	
Calibration Points	Up to 2	
Oxygen Range	0.0 to 50.0%	
Resolution	0.1%	
Accuracy	±0.5%	
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	
Body Material	ABS / Polycarbonate	
Length and Diameter	200 x 16 mm	
Connector	Push-pull	
Cable Length	2 m	5 m
Sensor cap included	1	

Dissolved Oxygen Sensor Cap

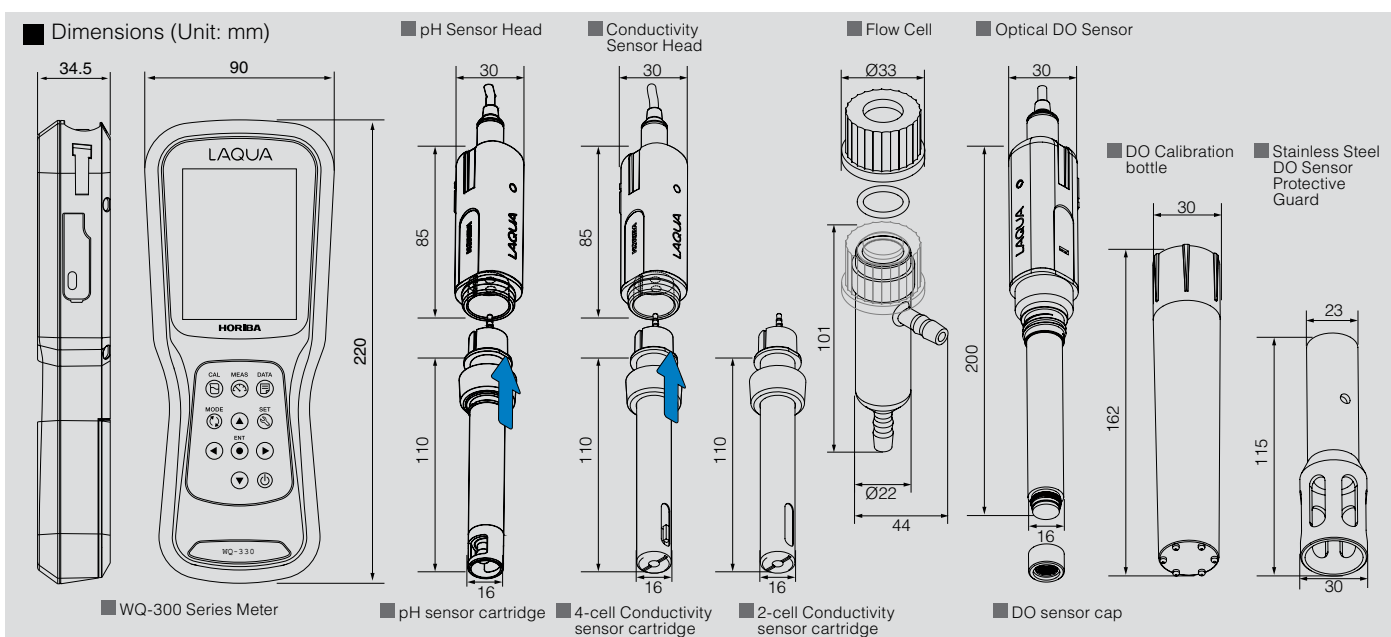| Model	300-D-M
Part No.	3200781554
DO Range	0.00 to 20.00 mg/L 0.0 to 200.0 %
Operating Temperature Range	0 to 50.0 °C 32.0 to 122.0 °F
Length and Diameter	10 x 16 mm
Body Material	PVC, PMMA

Conductivity Sensor Head   EC / Sal / TDS / Res / Temp (°C/°F)

Model	300-C-2	300-C-5
Part No.	3200784468	3200812202
Conductivity Range	µS/cm 0.000 to 0.199 0.200 to 1.999 2.00 to 19.99 20.0 to 199.9 200 to 1999 mS/cm 2.00 to 19.99 20.0 to 199.9 200 to 2000	µS/m 0.0 to 19.9 20.0 to 199.9 200 to 1999 mS/m 2.00 to 19.99 20.0 to 199.9 200 to 1999 S/m 2.00 to 19.99 20.0 to 200.0
Resolution	Auto ranging, up to 4 significant digits	
Accuracy	± 0.5% full scale of each range > 200 mS/cm (20.0 S/m): ± 1.5% full scale	
Reference Temperature	15 to 30°C	
Temperature Coefficient	0.00 to 10.00 %/°C	
Calibration Points	Up to 4 (Auto) / Up to 5 (Manual)	
Units	S/cm, S/m	
Salinity Range	0.00 to 80.00 ppt 0.000 to 8.000 %	
Resolution	0.01 ppt, 0.001 %	
Accuracy	± 0.5% of reading or ± 0.01 ppt, whichever is greater	
Salinity Curves	NaCl, Seawater (UNESCO 1978)	
Calibration Option	Yes	
Total Dissolved Solids (TDS) Range	0.01 mg/L to 200,000 mg/L	
Resolution	0.01 minimum, 4 significant digits	
Accuracy	± 0.5% of reading or ± 0.1 mg/L, whichever is greater	
TDS Curves	Linear (0.40 to 1.00), EN27888, 442, NaCl	
Resistivity Range	Ω•cm 0.1 to 199.9 200 to 1999 kΩ•cm 2.00 to 19.99 20.0 to 199.9 200 to 1999 MΩ•cm 2.00 to 19.99 20.0 to 200.0	Ω•m 0.001 to 1.999 2.00 to 19.99 20.0 to 199.9 200 to 1999 kΩ•m 2.00 to 19.99 20.0 to 199.9 200 to 2000
Resolution	Auto ranging, up to 4 significant digits	
Accuracy	± 0.5% full scale of each range > 200 mS/cm (20.0 S/m): ± 1.5% full scale	
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	
Body Material	ABS / Polycarbonate	
Length and Diameter	85 x 30 mm	
Connector	Push-pull	
Cable Length	2 m	5 m

4-Cell Conductivity Sensor Cartridge

Model	300-4C-C
Part No.	3200780928
Cell Constant	0.172 cm^{-1}
Conductivity Range	10 µS/cm to 2000 mS/cm
Operating Temperature Range	0 to 100 °C 32.0 to 212.0 °F
Temperature Sensor	Built-in
Length and Diameter	110 x 16 mm
Body Material	Epoxy, carbon

2-Cell Conductivity Sensor Cartridge

Model	300-2C-C
Part No.	3200820579
Cell Constant	0.1 cm^{-1}
Conductivity Range	0.01 µS/cm to 500 µS/cm
Temperature Range	0 to 100 °C 32.0 to 212.0 °F
Temperature Sensor	Built-in
Length and Diameter	110 x 16 mm
Body Material	Stainless steel

Ion Sensor Head	Ion / mV / Temp (°C/°F)
Model	300-I-2
Part No.	3200812203
Ion Range	(mg/L, mmol/L) 0.000 to 0.999, 1.00 to 9.99, 10.0 to 99.9, 100 to 999, 1000 to 9990, 10000 to 99900
Resolution	0.001 minimum, 3 significant digits
Accuracy	±0.1 mV
Calibration Points	Up to 5
mV Range	±1000.0 mV
Resolution	0.1 mV
Accuracy	±0.1 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
Body Material	ABS / Polycarbonate
Length and Diameter	85 x 30 mm
Connector	Push-pull
Cable Length	2 m

ORP Sensor Head	ORP / Temp (°C/°F)
Model	300-O-2
Part No.	3200812204
ORP Range	-2000 to +2000 mV
Resolution	< ±1000.0 mV: 0.1mV ≥ 1000.0 mV: 1 mV
Accuracy	< ±1000.0 mV: ±0.1 mV ≥ 1000.0 mV: ±1 mV
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
Body Material	ABS / Polycarbonate
Length and Diameter	85 x 30 mm
Connector	Push-pull
Cable Length	2 m

■ Dimensions (Unit: mm)

WQ-300 Series Meter — pH Sensor Head — Conductivity Sensor Head — Flow Cell — Optical DO Sensor — DO Calibration bottle — Stainless Steel DO Sensor Protective Guard — pH sensor cartridge — 4-cell Conductivity sensor cartridge — 2-cell Conductivity sensor cartridge — DO sensor cap

Model	WQ-310-K	WQ-320-K	WQ-330-K
Part No.	3200832605	3200832606	3200832607
Channel	Single	Dual	Triple
Memory	10,000 Data with date and time stamp		
Data Log	Auto / Manual		
Measurement Modes	Auto Stable / Auto Hold / Real Time		
Calibration Alarm	Programmable: 0 to 400 days		
Auto Power Off	Programmable: 0 to 60 minutes		
Real-time Clock	Available		
Sensor Status	On display		
Diagnostics	Error codes		
Language	English, Japanese, French, German, Spanish, Portuguese, Chinese		
PC Communication	Via micro USB cable or wireless		
Printer Communication	Via 25-pin D-sub printer (RS232) cable		
Meter Input	Push-pull connector		
Display	Color graphic TFT-LCD, 3.5 inches		
Housing	IP67, shock & scratch resistant, non-slip (ABS / polycarbonate)		
Power Requirement	4 x AA batteries / battery pack or USB charger with micro USB cable		
Battery Life	> 100 hours (with display brightness 3 and no sensor connected)		
Dimensions	220 (L) x 90 (W) x 34 (H) mm		
Weight	Approx. 400g (batteries included), 320 g (batteries excluded)		
Standard Accessories	Carrying case, 4 x AA batteries, wireless SD card, manual, and quick guide		

Accessories & Solutions

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

NIST pH Buffers Kit 501-S

USA pH Buffers Kit 502-S

ORP Powders

Part No.	Model	Description	
3200043618	160-51	89 mV at 25°C for 250ml (10 sachets/pack)	⚠
3200043617	160-22	258 mV at 25°C for 250ml (10 sachets/pack)	⚠

ORP Powders

Conductivity Standards

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

Conductivity Standards Kit 503-S

Ion Standard Solutions

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

Calcium Ion Electrode Solutions

Chloride Ion Electrode Solutions

Fluoride Ion Electrode Solutions

Ionic Strength Adjustors

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

Potassium Ion Electrode Solutions

Ammonia Ion Electrode Solutions

Ion Selective Electrode Filling Solutions

Part No.	Model	Description
3200697173	500-NH3-IFS	Ammonia Electrode Filling Solution
3200697177	500-CA-IFS	Calcium Electrode Filling Solution
3200697169	500-CL-IFS	Chloride Electrode Filling Solution
3200697165	500-F-IFS	Fluoride Electrode Filling Solution
3200697181	500-NO3-IFS	Nitrate Electrode Filling Solution
3200697181	500-K-IFS	Potassium Electrode Filling Solution

Nitrate Ion Electrode Solutions

Cleaning Solutions

Part No.	Model	Description
3014028653	220	Cleaning solution for removing inorganic sample residues, 50ml x 2pcs
3200530494	230	Cleaning solution for removing inorganic and organic sample residues, Solution A (30ml) & Solution B (100ml)
3200366771	250	Cleaning solution for removing proteins, 400ml

220   250

230

Cleaning Solutions

Cartridges, Ion Selective Electrodes, and Tips

Part No.	Model	Description
3200786363	300-P-C	pH sensor cartridge
3200780928	300-4C-C	4-cell conductivity sensor cartridge
3200781554	300-D-M	Optical DO sensor cap
3014046710	9300-10D	ORP electrode with flat platinum tip and temperature sensor
3200698386	5002S-10C	Amonia electrode (combination)
3200697410	6583S-10C	Calcium ion selective electrode (combination)
3200697407	6560S-10C	Chloride ion selective electrode (combination)
3200693774	6561S-10C	Fluoride ion electrode (combination)
3200697408	6581S-10C	Nitrate ion selective electrode (combination)
3200697409	6582S-10C	Potassium ion selective electrode (combination)
3200705774	-	Ammonia electrode membrane caps (3 pcs.)
3200697414	7683S	Calcium electrode tip
3200697411	7660S	Chloride electrode tip
3200693606	7661S	Fluoride electrode tip
3200697412	7681S	Nitrate electrode tip
3200697413	7682S	Potassium electrode tip

Ammonia electrode membrane caps

Calcium electrode tip

Chloride electrode tip

Fluoride electrode tip

Nitrate electrode tip

Potassium electrode tip

Accessories

| Part No.	Model	Description
3200844642	—	Flow Cell (for 300-2C-C)
3200821465	300-BNC	Sensor head adapter
3014028368	X-51	Digital simulator (300-BNC is required for pH, ORP, and Ion sensor heads)
3014030146	—	Printer for GLP / GMP compliance, 120V US version (printer cable is sold separately)
3014030147	—	Printer for GLP / GMP compliance, 230V EU version (printer cable is sold separately)
3200779638	—	25-pin D-sub printer (RS232) cable, 1.5m
3014030149	—	Printer paper, 20 rolls
3014030150	—	Printer ink ribbon, 5pcs/pack
3200828646	—	Black pH sensor tip guard (for 200 series, 300 series), 3pcs/pack
3200043508	—	Electrode protection caps, 5pcs/pack

*Sensors carry 6-month warranty against manufacturing defects.

300-BNC Sensor Head Adapter

Electrode protection cap

Black pH sensor tip guard

Flow Cell
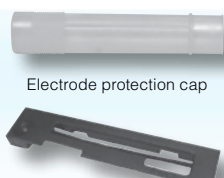
Printer ink ribbon

Printer paper

25-pin D-sub printer cable

Printer

X-51 Digital Simulator

Water Quality Analyzers

www.horiba-laqua.com

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.

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.

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.

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.

CE   KC   RoHS

IMS HORIBA Group is operating Integrated Management System
ISO9001 JQA-0288
ISO14001 JQA-EM0203
OHSAS18001 JQA-OH0088

■ Asia Pacific

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