

HORIBA

LAQUA

WQ-300 Series Smart Handheld Water Quality



Salinity









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



more of our videos.

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.



Automatic Sensor Recognition

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



LAQUA WQ-300 Series

Smart Handheld Water Quality Meters



Multi-Language Options

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



Simultaneous Calibrations and Measurements

Applicable for dual- and triplechannel models.

Measurement Modes



Auto Stable





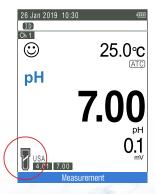
Auto Hold





Real Time





Sensor Status Indicator

Sensor icon presents the sensor condition after calibration.







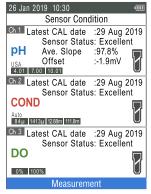




Sensor's LED Light as Reading Stability Indicator

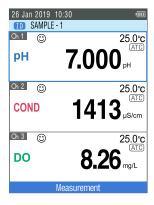
Blue LED light on the sensor head flashes until the reading is stable.

Calibration Data



Right arrow button shows the latest calibration data.

Sample ID

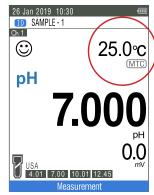


Use up to eight characters for creating Sample ID.

Temperature Sensor Indicator



Temperature sensor is connected to meter



Temperature sensor is not connected to meter





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 Wireless
Data Transfer video





Printer Communication

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







Built-in Sensor Holders

Three grooves on the meter housing serve as sensor holders.





hook which can be used to attach up to three sensor heads

No Sensor



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.



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 15m cable can be used without noise problem. 300-EXT-10, a 10 m extension cable, is available.



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.



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.



Large Colour Graphic LCD Screen with Backlight

All models have colour graphic digital LCD screen (70 \times 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.



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.



IP67 Waterproof and Dustproof

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



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.

Rugged Carrying Case

Keeps all your equipment organized and secure.



Battery Holder

Bottle Holders

Stores up to 8 x 60ml bottles of Standard Solutions

DO Sensor Guard

Compartment for

and accessories.

Cable Space

For sensors with extra long cables



Bottle Stand

Secures the bottles upright while doing calibration.

Sensor Holders

Holds pH, Conductivity, and DO sensors

Cable Winder

Organize sensor cables neatly.



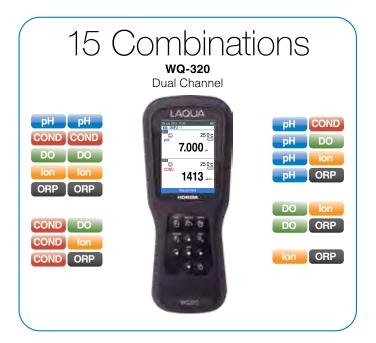


Customizable Meter Kit

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

Up to 55 possible meter + sensor combinations







Meter only

Sensor (2.0m cable) kit WQ 300 PH Kit 2M

Sensor (5.0m cable) kit



Includes carrying case, 4 x AA batteries, wireless SD card, user manual, and quick guide

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 4-Cell EC Kit 2M 4-Cell Conductivity Sensor Kit with



84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)

WQ 300 4-Cell EC Kit 5M





84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)

WQ-310-K Single Channel



WQ-320-K Dual Channel 3200832606



WQ-330-K Triple Channel 3200832607



WQ 300 2-Cell EC Kit 2M

2-Cell Conductivity Sensor Kit with COND Conductivity Standards - 4000046656



 $84\mu S/cm$, $1413\mu S/cm$, 12.88m S/cm, & 111.8 m S/cmConductivity Standards (60ml each)

WQ 300 2-Cell EC Kit 5M

2-Cell Conductivity Sensor Kit with COND Conductivity Standards - 4000046657



 $84\mu S/cm$, $1413\mu S/cm$, 12.88m S/cm, & 111.8 m S/cmConductivity Standards (60ml each)

WQ 300 2-Cell EC Flow Cell Kit 2M



 $84\mu S/cm$, $1413\mu S/cm$, 12.88m S/cm, & 111.8 m S/cmConductivity Standards (60ml each)

WQ 300 2-Cell EC Flow Cell Kit 5M 2-Cell Conductivity Sensor Kit with Flow-Cell and



84µS/cm, 1413µS/cm, 12.88mS/cm, & 111.8 mS/cm Conductivity Standards (60ml each)





Sensor (2.0m cable) kit

Sensor (5.0m cable) kit



























Smart Digital Sensor



HORIBA's Smart digital sensor technology

All sensor heads are offered in 2-m and 5-m cable versions. A 10-m extension cable is also available.

■ 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

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



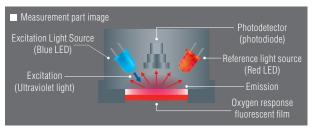
Optical dissolved oxygen (DO) sensor

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



■ Maintenance-free, gel-filled ORP sensor

No electrolyte refilling required

- Platinum tip attached to glass
- KCl gel electrolyte
- · Porous sintered polyethylene junction
- Built-in temperature sensor
- Rugged polycarbonate body
- Replaceable ORP sensor cartridge

Ion sensor

Compatible not only with ion cartridges, but also with combination ion-selective electrodes

- Accepts all maintenance-free ion sensor cartridges equipped with temperature sensor
- Requires 300-BNC sensor head adapter for connecting combination ionselective electrodes





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 2 -2.000 to 2	20.00 pH 20.000 pH		
Resolution	-2.00 to 20. -2.000 to 20.0	.00: 0.01 pH .000: 0.001 pH		
Accuracy	-2.00 to 20 -2.000 to 20	0.00: ±0.01 .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				
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	J/L, 0.1%			
Accuracy	±0.2 mg	/L, ±2 %			
Salinity Compensation	Auto: by conductivity sens	or / 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			

ORP Sensor	Head ORP / Temp (°C/°F)			
Model	300-0-2	300-0-5		
Part No.	3200812204	3200923561		
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	5 m		

ORP Sensor Cartridge				
Model	300- O-C			
Part No.	3200922104			
ORP Range	-2000 to +2000 mV			
Operating Temperature Range	0 to 80 °C -32.0 to 176.0 °F			
Junction Material	Porous sintered polyethylene			
Double Junction	Yes			
Temperature Sensor	Buit-in Buit-in			
Length and Diameter	110 x 16 mm			
Body Material	Polycarbonate, platinum/glass			

Ion Sensor Cartridges					
Ion Sensor Cartridge	Nitrate (NO ₃ -)	Potassium (K⁺)	Calcium (Ca ²⁺)	Sodium (Na⁺)	Ammonium (NH ₄ +)
Model	300-NO3-C	300-K-C	300-CA-C	300-NA-C	300-NH4-C
Part No.	3200986784	3200986785	3200986786	3200986787	3200986783
Measurement Range	0.62 to $62,000$ mg/L NO_3^- (1 x 10^{-5} to 1 mol/L NO_3^-)	0.39 to 39,000 mg/L K^+ (1 x 10 ⁻⁵ to 1 mol/L K^+)	0.4 to 40,000 mg/L Ca^{2+} (1 x 10 ⁻⁵ to 1 mol/L Ca^{2+})	0.23 to 23,000 mg/L Na ⁺ (1 x 10 ⁻⁵ to 1 mol/L Na ⁺)	0.18 to 18,000 mg/L NH ₄ $^+$ (1 x 10 ⁻⁵ to 1 mol/L NH ₄ $^+$)
Operating Temperature Range	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C
pH Range	pH 4 to 7 (100 mg/L NO ₃ -, 25 °C)	pH 5 to 11 (100 mg/L K ⁺ , 25 °C)	pH 5 to 10 (100 mg/L Ca²+, 25 °C)	pH 5 to 10 (100 mg/L Na⁺, 25 °C)	pH 5 to 8 (100 mg/L NH₄⁺, 25 °C)
Junction Material	Porous sintered polyethylene	Porous sintered polyethylene	Porous sintered polyethylene	Porous sintered polyethylene	Porous sintered polyethylene
Double Junction	Yes	Yes	Yes	Yes	Yes
Temperature Sensor	Built-in	Built-in	Built-in	Built-in	Built-in
Length and Diameter	110 x 16 mm	110 x 16 mm	110 x 16 mm	110 x 16 mm	110 x 16 mm
Body Materials	Polycarbonate, PVC	Polycarbonate, PVC	Polycarbonate, PVC	Polycarbonate, PVC	Polycarbonate, PVC

Each ion sensor cartridge comes with 100 mg/L & 1000 mg/L ion standard solutions (50ml each), ionic strength adjustor (50ml), syringe, and manual.

Ion Sensor Head Ion / mV / Temp (°C/°F)					
Model	300-I-2	300-I-5			
Part No.	3200812203	3200923560			
Ion Range	(mg/L, ı 0.000 to 0.999, 1.00 to 9.99, 10.0 to 99.9,	mmol/L) 100 to 999, 1000 to 9990, 10000 to 99900			
Resolution	0.001 minimum, 3	3 significant digits			
Accuracy	±0.3% f	ull scale			
Calibration Points	Up	to 5			
mV Range	±1000	0.0 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				

Conductivity Sensor Head EC / Sal / TDS / Res / Temp (°C/°F)						
Model	300-C-2		300-C-5			
Part No.	3200784468			3200812202	2	
Conductivity Range	μS/cm 0.000 to 0. 0.200 to 1. 2.00 to 19 20.0 to 19 200 to 19	999 2.0 .99 20 9.9 20	mS/cm 00 to 19.99 .0 to 199.9 00 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	2.00 to 19.99
Resolution		Aut	to ranging, up to	4 significant di	gits	
Accuracy			± 0.5% full scal) mS/cm (20.0 S			
Reference Temperature			15 to	30°C		
Temperature Coefficient			0.00 to 10	0.00 %/°C		
Calibration Points		l	Jp to 4 (Auto) / I	Up to 5 (Manual	1)	
Units			S/cm	n, 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 2	200,000 mg/L		
Resolution		C	0.01 minimum, 4	significant digit	ts	
Accuracy			eading or \pm 0.1	~	_	
TDS Curves		Linea	ır (0.40 to 1.00),	EN27888, 442,	NaCl	
Resistivity Range	0.1 to 199.9 2.00 to 19.99 2.00 to 19.99 2.00 to 19.99 2.00 to 19.99 20.0 to 19.90 20		kΩ•m 2.00 to 19.99 20.0 to 199.9 200 to 2000			
Resolution		Aut	to ranging, up to	4 significant di	gits	
Accuracy		> 200	± 0.5% full scal) mS/cm (20.0 S			
Temperature Range	-30.0 to 130.0 °C -22.0 to 266.0 °F					
Resolution			0.1 °C	C/°F		
Accuracy	±0.5 °C / ±0.9 °F					
Calibration Option			Ye	es		
Body Material	ABS / Polycarbonate					
Length and Diameter	85 x 30 mm					
Connector	Push-pull					
Cable Length	2 m 5 m					

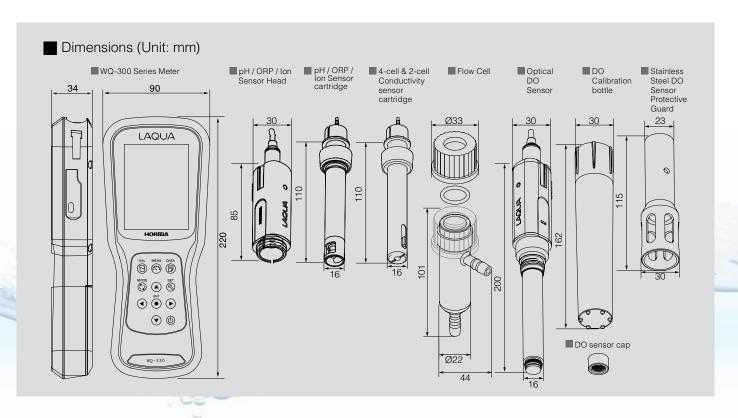
Sensor Cartridge				
300-2C-C				
3200820579				
0.1 cm ⁻¹				
0.01 μS/cm to 500 μS/cm				
0 to 100 °C 32.0 to 212.0 °F				
Built-in				
110 x 16 mm				
Stainless steel				

2-Cell Conductivity

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				

Model	WQ-310-K	WQ-320-K	WQ-330-K	
Part No.	3200832605	3200832606	3200832607	
Channel	Single	Dual	Triple	
Memory	1	0,000 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 / pol	ycarbonate)	
Power Requirement	4 x AA batteries	/ battery pack or USB charger with m	icro USB cable	
Battery Life	> 100 hours (w	> 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			

^{*}Applicable to pH calibration. Appears when pH sensor is connected.



Accessories & Solutions

pH Buffe	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









Conductivity Standards Kit 503-S



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	0
230	

Cleaning Solutions

ORP Standard Solution & Powders

Part No.	Model	Description
4000047848	500-225	ORP Standard Solution 225 mV at 25°C (500ml)
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) 🐠 🗘

Conductivity	Standards
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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

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

Ion Stan	Ion Standard Solutions			
Part No.	Model	Description		
3200697172	500-NH4-SL	100 mg/L Ammonium Ion Standard Solution, 500 ml		
3200697171	500-NH4-SH	1000 mg/L Ammonium Ion Standard Solution, 500 ml		
3200697176	500-CA-SL	100 mg/L Calcium Ion Standard Solution, 500 ml		
3200697175	500-CA-SH	1000 mg/L Calcium Ion Standard Solution, 500 ml		
3200697168	500-CL-SL	100 mg/L Chloride Ion Standard Solution, 500 ml		
3200697167	500-CL-SH	1000 mg/L Chloride Ion Standard Solution, 500 ml		
3200697164	500-F-SL	100 mg/L Fluoride Ion Standard Solution, 500 ml		
3200697163	500-F-SH	1000 mg/L Fluoride Ion Standard Solution, 500 ml		
3200697180	500-NO3-SL	100 mg/L Nitrate Ion Standard Solution, 500 ml		
3200697179	500-NO3-SH	1000 mg/L Nitrate Ion Standard Solution, 500 ml		
3200697184	500-K-SL	100 mg/L Potassium Ion Standard Solution, 500 ml		
3200697183	500-K-SH	1000 mg/L Potassium Ion Standard Solution, 500 ml		
3200987464	500-NA-SL	100 mg/L Sodium Ion Standard Solution, 500 ml		
3200987463	500-NA-SH	1000 mg/L Sodium Ion Standard Solution, 500 ml		





Chloride Ion Electrode Solutions



Fluoride Ion Electrode Solutions



Potassium Ion Electrode Solutions



Ammonia Ion Electrode Solutions



Nitrate Ion Electrode Solutions



Ammonium Ionic Strength Adjustor



Sodium Ionic Strength Adjustor



Sodium Ion Standard Solutions

Ionic Strength Adjustors

3200697174	500-NH3-ISA	Ammonia Ionic Strength Adjustor, 500 ml 🛮 💠 🗘
3200987466	500-NH4-ISA	Ammonium Ionic Strength Adjustor, 500 ml
3200697178	500-CA-ISA	Calcium Ionic Strength Adjustor, 500 ml
3200697170	500-CL-ISA	Chloride Ionic Strength Adjustor, 500 ml
3200697166	500-F-TISAB	Fluoride Ionic Strength Adjustor, 500 ml
3200697182	500-NO3-ISA	Nitrate Ionic Strength Adjustor, 500 ml
3200697186	500-K-ISA	Potassium Ionic Strength Adjustor, 500 ml
3200987465	500-NA-ISA	Sodium Ionic Strength Adjustor, 500 ml

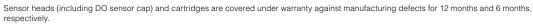
Ion Selective Electrode Filling Solutions

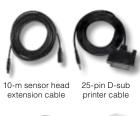
3200697173	500-NH3-IFS	Ammonia Electrode Filling Solution, 500 ml
3200697177	500-CA-IFS	Calcium Electrode Filling Solution, 500 ml
3200697169	500-CL-IFS	Chloride Electrode Filling Solution, 500 ml
3200697165	500-F-IFS	Fluoride Electrode Filling Solution, 500 ml
3200697181	500-NO3-IFS	Nitrate Electrode Filling Solution, 500 ml
3200697185	500-K-IFS	Potassium Electrode Filling Solution, 500 ml

Sensors,	Cartridges,	and Tips
Part No.	Model	Description
3200786363	300-P-C	pH sensor cartridge
3200922104	300-O-C	ORP sensor cartridge
3200780928	300-4C-C	4-cell conductivity sensor cartridge
3200820579	300-2C-C	2-cell conductivity sensor cartridge
3200781554	300-D-M	Optical DO sensor cap
3014046710	9300-10D	ORP electrode with flat platinum tip and temperature sensor
3200986783	300-NH4-C	Ammonium sensor cartridge
3200986786	300-CA-C	Calcium sensor cartridge
3200986784	300-NO3-C	Nitrate sensor cartridge
3200986785	300-K-C	Potassium sensor cartridge
3200986787	300-NA-C	Sodium sensor cartridge
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

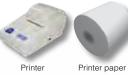
3200700303	300-F-C	pri sensor carmage	
3200922104	300-O-C	ORP sensor cartridge	ABRIDA
3200780928	300-4C-C	4-cell conductivity sensor cartridge	Calcium electrode tip
3200820579	300-2C-C	2-cell conductivity sensor cartridge	-60
3200781554	300-D-M	Optical DO sensor cap	HORIBA
3014046710	9300-10D	ORP electrode with flat platinum tip and temperature sensor	Chloride electrode tip
3200986783	300-NH4-C	Ammonium sensor cartridge	HORINA
3200986786	300-CA-C	Calcium sensor cartridge	Fluoride electrode tip
3200986784	300-NO3-C	Nitrate sensor cartridge	
3200986785	300-K-C	Potassium sensor cartridge	HOIRBA
3200986787	300-NA-C	Sodium sensor cartridge	Nitrate electrode tip
3200698386	5002S-10C	Amonia electrode (combination)	
3200697410	6583S-10C	Calcium ion selective electrode (combination)	HORIBA
3200697407	6560S-10C	Chloride ion selective electrode (combination)	Potassium electrode tip
3200693774	6561S-10C	Fluoride ion electrode (combination)	
3200697408	6581S-10C	Nitrate ion selective electrode (combination)	
3200697409	6582S-10C	Potassium ion selective electrode (combination)	300-BNC Sensor Head Adapto
3200705774	-	Ammonia electrode membrane caps (3 pcs.)	
3200697414	7683S	Calcium electrode tip	686
3200697411	7660S	Chloride electrode tip	-
3200693606	7661S	Fluoride electrode tip	
3200697412	7681S	Nitrate electrode tip	
3200697413	7682S	Potassium electrode tip	X-51 Digital Simulator
A	ui o o		

Accessories		
Part No.	Model	Description
3200844642	_	Flow Cell (for 300-2C-C)
3200821465	300-BNC	pH/ORP/Ion sensor head adapter
3200921588	300-EXT-10	10-m sensor head extension cable
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





Ammonia electrode membrane caps











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Water Quality Analyzers

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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.



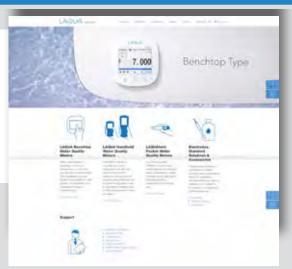
Pocket Meters

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, applicationfocused models for small samples or large containers, and special electrodes for specific sample characteristics.





LAQUAtwin pocket meters offer quick and convenient alternative to analyze important parameters with high accuracy. Several application notes are available at (http://goo.gl/znwE6i) detailing the use of LAQUAtwin and the results achieved for the respective applications. Additional application notes will be added when available.





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