

LAQUA

LAQUA WQ-300 Series Smart Handheld Water Quality Meters



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



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.



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.

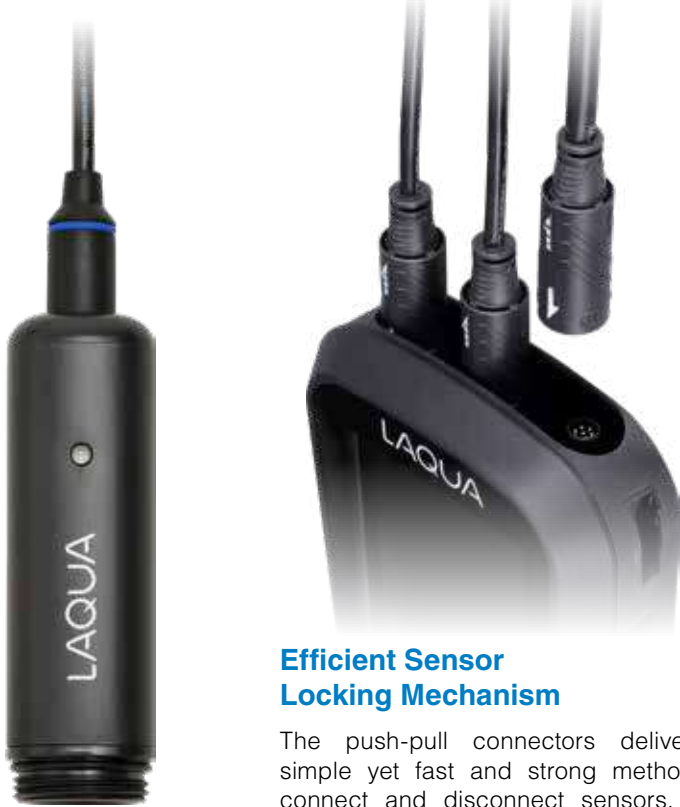


Built-in Sensor Holders

Three grooves on the meter housing serve as sensor holders.

LAQUA WQ-300 Series

Smart Handheld Water Quality Meters



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.

No Sensor Adapter Needed

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



Sensor's LED Light as Reading Stability Indicator

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



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.



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

English
日本語
Français
Deutsche
Español
Português
中文



Multi-Language Options

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



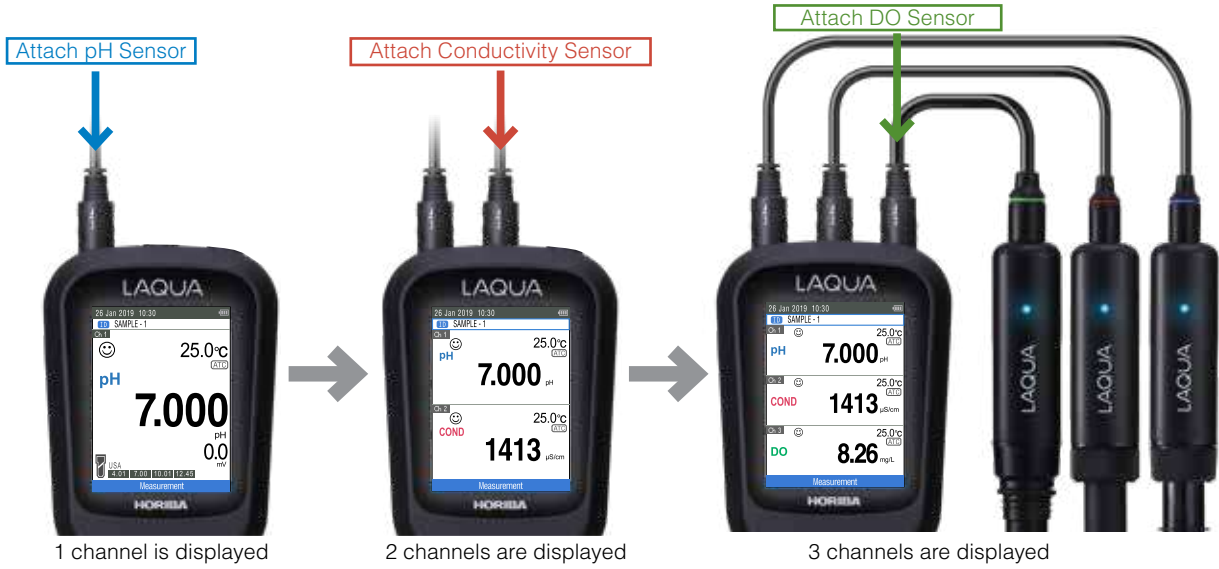
Simultaneous Calibrations and Measurements

Applicable for dual- and triple-channel models.

LAQUA WQ-300 Series | Smart Handheld Water Quality Meters

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.

| | |
|-------------------|--------------|
| 26 Jan 2019 10:30 | |
| SAMPLE - 1 | |
| Ch 1 | 25.0°C (ATC) |
| pH | 7.000 |
| | 0.0 mV |
| Measurement | |



| | |
|-------------------|------|
| 26 Jan 2019 10:30 | |
| pH Setup | |
| pH Resolution | 0.01 |
| Buffer Group | USA |
| CAL Alarm | OFF |
| Temp. Type | ATC |
| CAL Data Clear | |
| Set | |

| | |
|----------------------|--|
| 26 Jan 2019 10:30 | |
| Ch1 Calibration Data | |
| Ch 1 Latest CAL Date | :29 Aug 2019 |
| Sensor Status | : Excellent |
| Ave. Slope | : 97.8% |
| Offset | : -1.9mV |
| USA | |
| 4.01 7.00 10.01 | |
| P | Date Time Cal Value mV °C % |
| 1 | 29 Aug 2019 14:55 4.00 168.8 23.4 96.9 |
| 2 | 29 Aug 2019 14:53 7.00 -2.1 23.6 98.7 |
| 3 | 29 Aug 2019 14:56 10.03 -177.6 23.3 |
| 4 | |
| 5 | |
| Measurement | |

| | |
|-------------------|-------------|
| 26 Jan 2019 10:30 | |
| Ch1 Sensor Info. | |
| Sensor | |
| Model | : 300pH - 2 |
| SN | : ABCD1234 |
| SW Ver.: | 0.3.6 |
| Cartridge | |
| Model | : 300-P-C |
| SN | : 123456 |
| Set | |



Data Transfer via USB or Wireless Communication

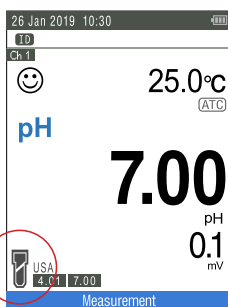
Meter stores up to 10,000 data with date/time stamp. Transfer data from meter to computer seamlessly via USB cable or wirelessly via Wi-Fi. Each meter comes with a wireless SD card.

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

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

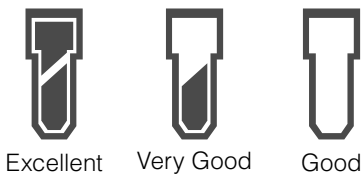
Printer Communication

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

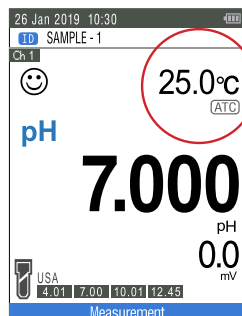


Sensor Status Indicator

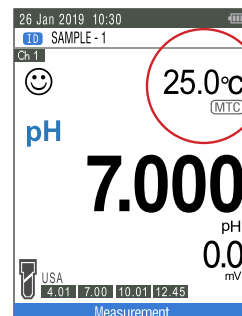
Sensor icon presents the sensor condition after calibration.



Temperature Sensor Indicator

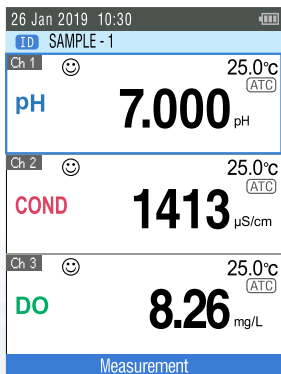


Temperature sensor is connected to meter



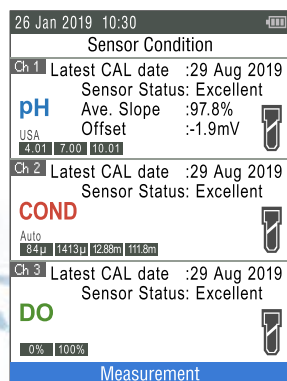
Temperature sensor is not connected to meter

Sample ID



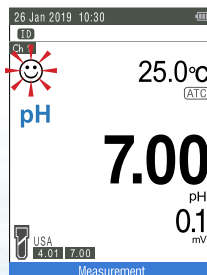
Use up to eight characters for creating Sample ID.

Calibration Data

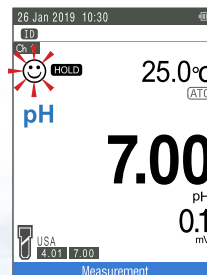


Right arrow button shows the latest calibration data.

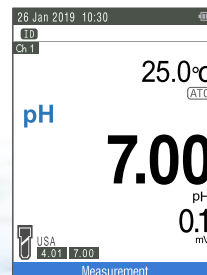
Measurement Modes



Auto Stable



Auto Hold



Real Time

LAQUA WQ-300 Series | Smart Handheld Water Quality Meters

Customizable Meter Kit

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

DO COND nH
Multi-parameter combinations



nH nH nH
Single parameter combinations



Up to 55 possible meter + sensor combinations

5 Combinations

WQ-310
Single Channel



15 Combinations

WQ-320
Dual Channel



35 Combinations

WQ-330
Triple Channel



Choose your meter*:

Choose your sensor kit:

Meter only

Sensor (2.0m cable) kit

Sensor (5.0m cable) kit

WQ-310-K
Single Channel
3200832605



WQ-320-K
Dual Channel
3200832606



WQ-330-K
Triple Channel
3200832607



WQ 300 PH Kit 2M

pH pH Sensor Kit with USA pH Buffers - 4000043090
pH Sensor Kit with NIST pH Buffers - 4000043092



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



4.01, 7.00, 10.01 USA pH Buffers (60ml each)

WQ 300 EC Kit 2M

COND Conductivity Sensor Kit with Conductivity Standards - 4000043094



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

WQ 300 EC Kit 5M

COND Conductivity Sensor Kit with Conductivity Standards - 4000043095



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

Calibration Bottle

WQ 300 DO Kit 5M

DO DO Sensor - 3200780942



Stainless Steel DO Sensor Protective Guard

Optical DO Sensor with membrane cap

Calibration Bottle

WQ 300 ION Kit 2M

Ion Ion Sensor Kit - 4000043097



Sensor Head Adapter

Ion Sensor Head

Ion Selective Electrode (sold separately)

WQ 300 ORP Kit 2M

ORP ORP Sensor Kit - 4000043096



Sensor Head Adapter

ORP Sensor Head

9300-10D ORP Electrode



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

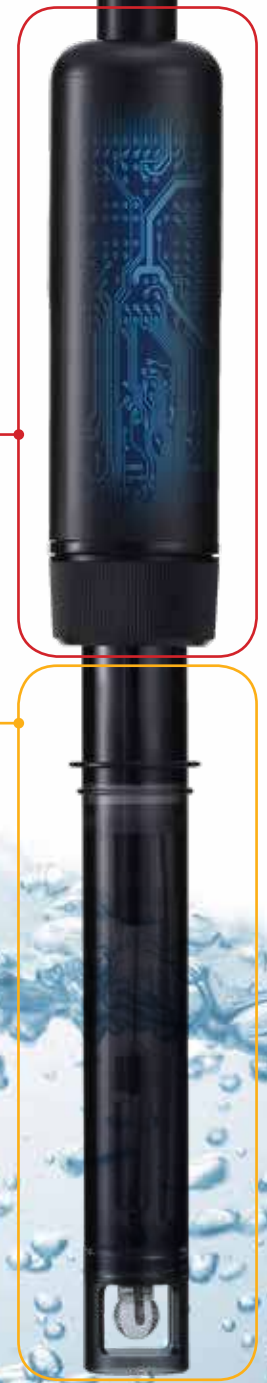


Sensor head with built-in digital circuit

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

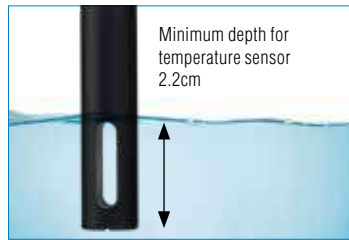


pH

■ 4-Cell conductivity sensor

Wide range of conductivity measurements possible

- From clean water to industrial wastewater, the 4-cell type can measure a variety of samples with different conductivity
- Built-in temperature sensor
- Durable epoxy / carbon body
- Replaceable conductivity sensor cartridge
- Conductivity sensor heads with 2m and 5m cables are available

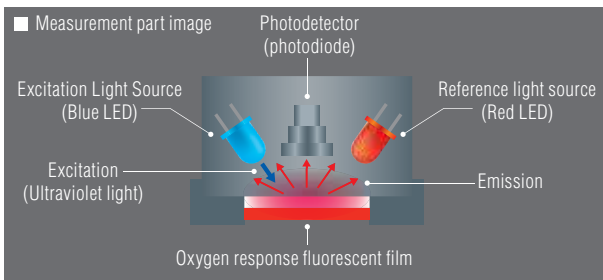


COND

■ 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

■ 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 5 | |
| 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 |
| 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 | |
| O ₂ 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 | |

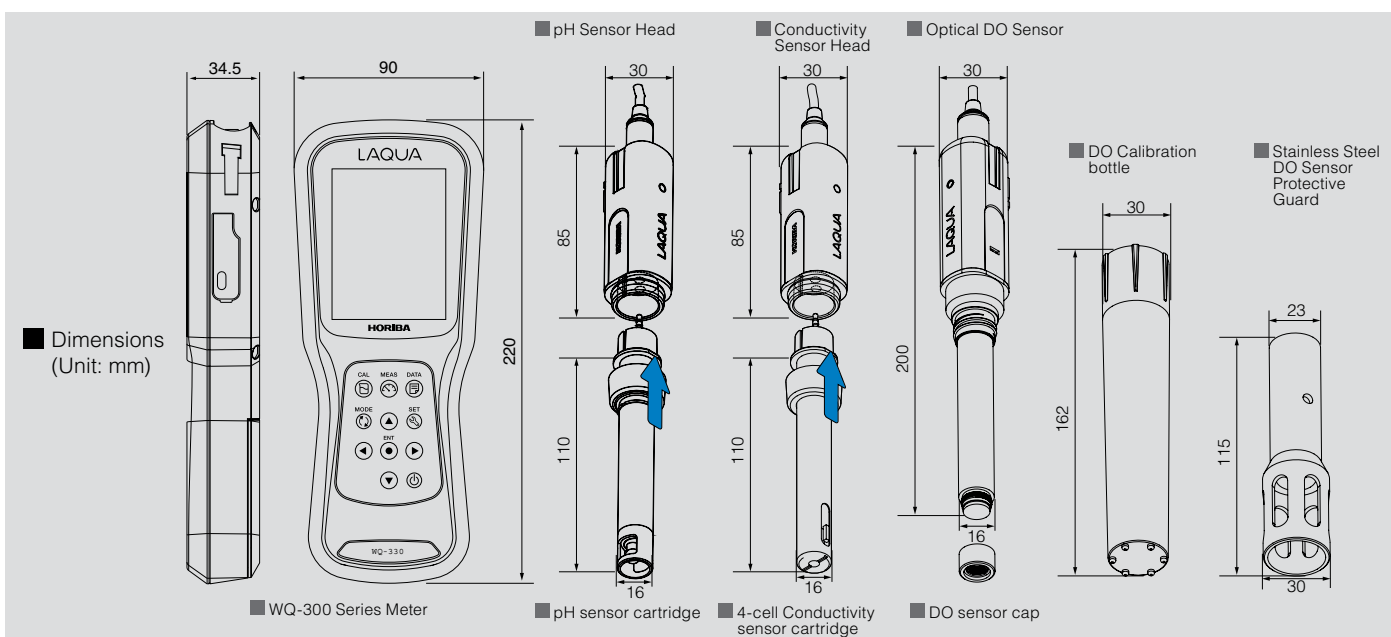
| Dissolved Oxygen Sensor Cap | |
|-----------------------------|--------------------------------------|
| Model | 300-D-M |
| Part No. | 3200781554 |
| DO Range | 0.00 to 20.00 mg/L 0.0 to 200.0 % |
| Temperature Range | 0 to 50.0 °C 32.0 to 122.0 °F |
| Length and Diameter | 10 x 16 mm |
| Body Material | 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 | μS/m |
| | 0.000 to 0.199 | 0.0 to 19.9 |
| | 0.200 to 1.999 | 20.0 to 199.9 |
| | 2.00 to 19.99 | 200 to 1999 |
| | 20.0 to 199.9 | mS/m |
| | 200 to 1999 | 20.0 to 199.9 |
| | mS/cm | 200 to 199.9 |
| Resolution | 2.00 to 19.99 | 200 to 1999 |
| | 20.0 to 199.9 | S/m |
| Accuracy | 2.00 to 2000 | |
| Reference Temperature | Auto ranging, up to 4 significant digits | |
| Temperature Coefficient | ± 0.5% full scale of each range > 200 mS/cm (20.0 S/m): ± 1.5% full scale | |
| Calibration Points | 15 to 30 °C | |
| Units | 0.00 to 10.00 %/°C | |
| Salinity Range | Up to 4 (Auto) / Up to 5 (Manual) | |
| Resolution | S/cm, S/m | |
| Accuracy | 0.00 to 80.00 ppt 0.000 to 8.000 % | |
| Salinity Curves | 0.01 ppt, 0.001 % | |
| Calibration Option | ± 0.5% of reading or ± 0.01 ppt, whichever is greater | |
| Total Dissolved Solids (TDS) Range | NaCl, Seawater (UNESCO 1978) | |
| Resolution | Yes | |
| Accuracy | 0.01 mg/L to 200,000 mg/L | |
| TDS Curves | 0.01 minimum, 4 significant digits | |
| Resistivity Range | ± 0.5% of reading or ± 0.1 mg/L, whichever is greater | |
| | Ω•cm | Ω•m |
| | 0.1 to 199.9 | 0.001 to 1.999 |
| | 200 to 1999 | 2.00 to 19.99 |
| | kΩ•cm | 20.0 to 199.9 |
| | 2.00 to 19.99 | 200 to 1999 |
| | 20.0 to 199.9 | kΩ•m |
| | 200 to 1999 | 2.00 to 19.99 |
| | MΩ•cm | 20.0 to 199.9 |
| | 2.00 to 19.99 | 200 to 2000 |
| 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 | |
| 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 |
| 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 |

| 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 |



| 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

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) |

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



Calcium Ion Electrode Solutions

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 |



Chloride Ion Electrode Solutions



Fluoride Ion Electrode Solutions



Potassium Ion Electrode Solutions

Ionic Strength Adjustors

| | | |
|------------|-------------|-----------------------------------|
| 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 |



Ammonia Ion Electrode Solutions


Ion Selective Electrode Filling Solutions

| | | |
|------------|-------------|--------------------------------------|
| 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 |



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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 | Ammonia 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 |



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Cleaning Solutions



Ammonia electrode membrane caps



Calcium electrode tip



Chloride electrode tip



Fluoride electrode tip



Nitrate electrode tip



Potassium electrode tip

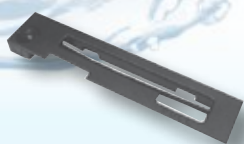


300-BNC Sensor Head Adapter

Accessories

| Part No. | Model | Description |
|------------|---------|--|
| 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 | — | pH sensor protective tube, 3pcs/pack (for 200 series, 300 series) |

*Sensors carry 6-month warranty against manufacturing defects.



Printer ink ribbon



pH sensor protective tube



Printer paper



25-pin D-sub printer cable



Printer



X-51 Digital Simulator

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 LAQUAAtwin range of meters. Designed to produce accurate and reliable results. Anyone, anywhere, at any time can measure samples easily with a LAQUAAtwin 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

LAQUAAtwin 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 LAQUAAtwin and the results achieved for the respective applications. Additional application notes will be added when available.



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■ **Asia Pacific**
HORIBA Instruments (Singapore) Pte. Ltd.
 83 Science Park Drive, #02-02A,
 The Curie, Singapore 118258
 Phone: 65 6908-9660
 Fax: 65 6745-8155
 e-mail: laqua@horiba.com

■ **Europe, Middle East, & Africa**
HORIBA UK Limited
 Kyoto Close, Moulton Park,
 Northampton NN3 6FL
 Phone: +44 1604 642500
 e-mail: waterquality@horiba.com

■ **Americas**
HORIBA Instruments Incorporated
 9755 Research Drive, Irvine,
 California 92618 USA
 Phone: +1 949 250 4811
 Fax: +1 949 250 0924, +1 949 468 1890
 e-mail: labinfo@horiba.com