

# 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](http://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



### 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.



### 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.

### Sensor's LED Light as Reading Stability Indicator

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



### 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  
Deutsch  
Español  
Português  
中文



## Multi-Language Options

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

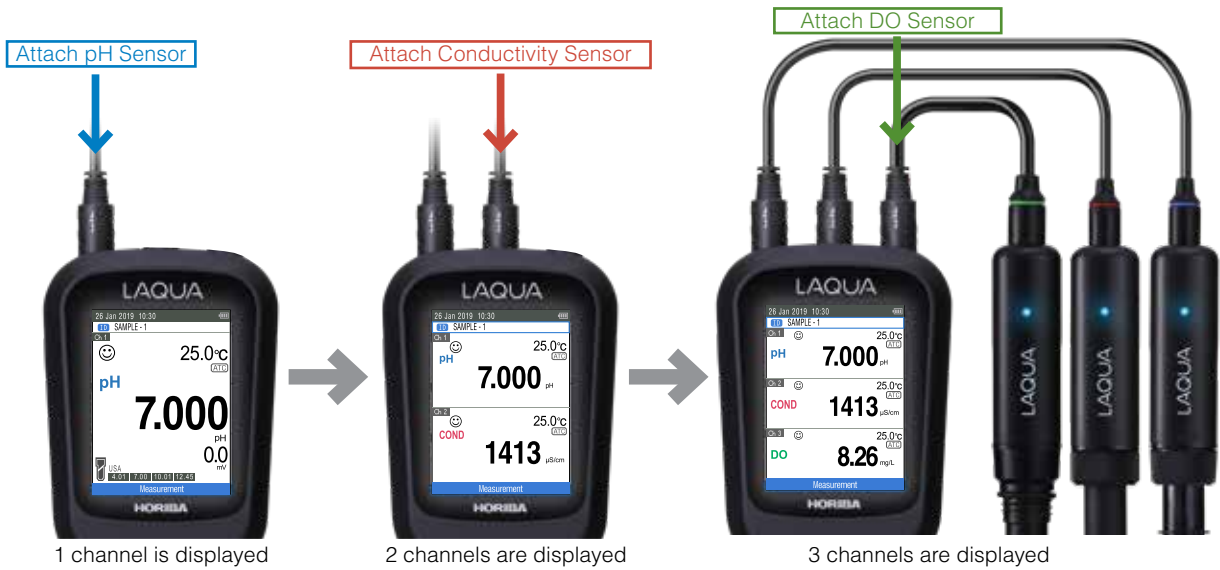


## Simultaneous Calibrations and Measurements

Applicable for dual- and triple-channel models.


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					
ID SAMPLE - 1					
Ch 1					
		25.0°C <div>ATC</div>			
pH		7.000 pH 0.0 mV			
Measurement					

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	
3	29 Aug 2019 14:56	10.03	-177.6	23.3	98.7
4					
5					
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 Sensor Info.	
Sensor	
Model	: 300pH - 2
SN	: ABCD1234
SW Ver.:	0.3.6
Cartridge	
Model	: 300-P-C
SN	: 123456
Set	





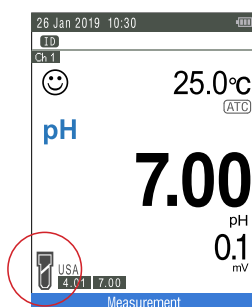
## Data Transfer via USB or Wireless Communication

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.



## 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.



Excellent

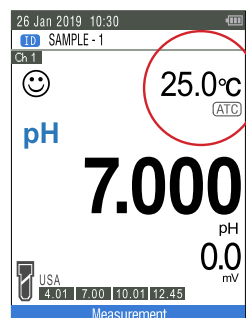


Very Good

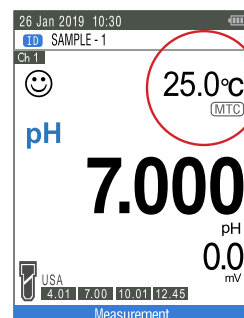


Good

## Temperature Sensor Indicator

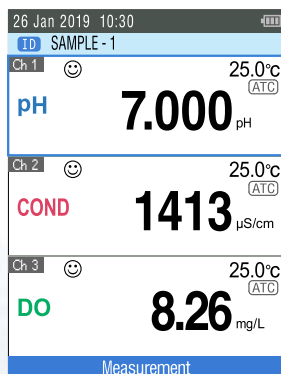


Temperature sensor is connected to meter



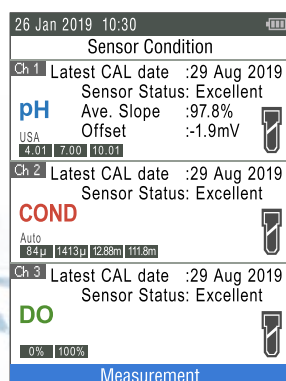
Temperature sensor is not connected to meter

## Sample ID



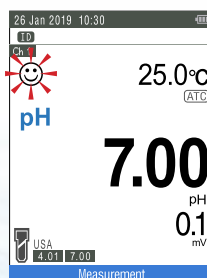
Use up to eight characters for creating Sample ID.

## Calibration Data

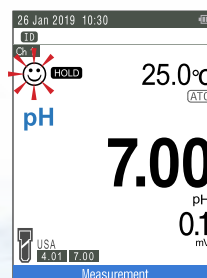


Right arrow button shows the latest calibration data.

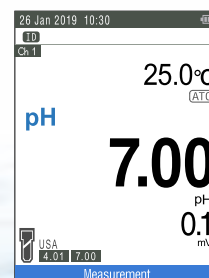
## Measurement Modes



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.



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

#### WQ-310-K Single Channel 3200832605



#### WQ-320-K Dual Channel 3200832606



#### WQ-330-K Triple Channel 3200832607



### Sensor (2.0m cable) kit

#### WQ 300 PH Kit 2M

**pH** pH Sensor Kit with USA pH Buffers - 3200820791



#### WQ 300 EC Kit 2M

**COND** Conductivity Sensor Kit with Conductivity Standards - 3200820792



#### WQ 300 DO Kit 2M

**DO** DO Sensor - 3200780940



#### WQ 300 ION Kit 2M

**Ion** Ion Sensor Kit



#### WQ 300 ORP Kit 2M

**ORP** ORP Sensor Kit



### Sensor (5.0m cable) kit

#### WQ 300 PH Kit 5M

**pH** pH Sensor Kit with USA pH Buffers - 3200820791



#### WQ 300 EC Kit 5M

**COND** Conductivity Sensor Kit with Conductivity Standards - 3200820792



#### WQ 300 DO Kit 5M

**DO** DO Sensor - 3200780942



\*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

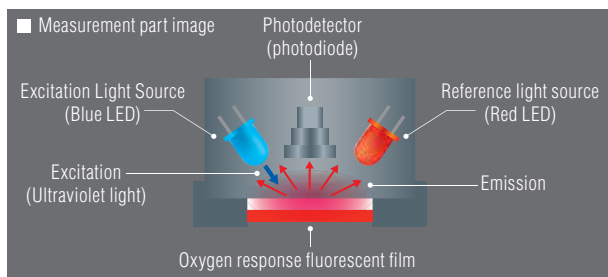


COND

## ■ 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

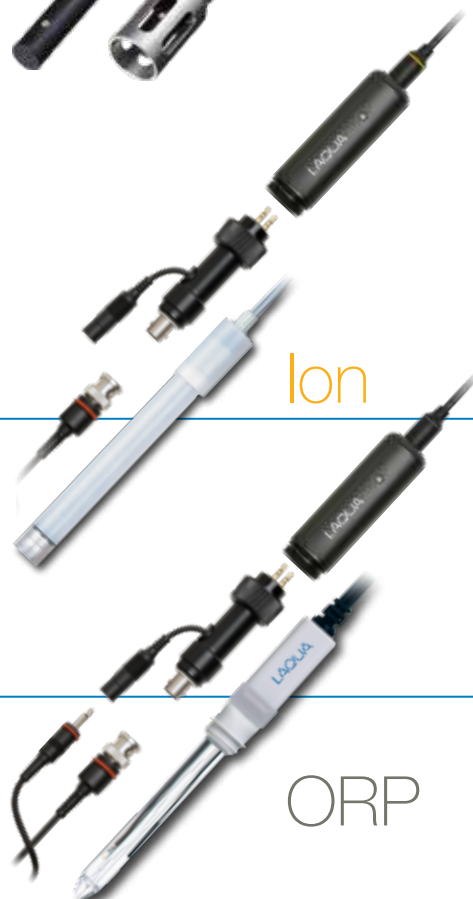


DO

## ■ 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