

# LAQUAtwin

[www.horiba-water.com](http://www.horiba-water.com)

*A single drop on your lab-in-a-pocket*

Accurate measurement from only a single drop to HORIBA original flat sensor. LAQUAtwin's easy, reliable and quick measurement of 7 parameters brings new dimension to your water quality testing.

- Accurate reading from only a single drop, in a few seconds
- pH, conductivity, ions and salinity. 7 parameters, 11 models
- Calibrate and measure at the touch of a button – the Smiley face will tell you when the result can be read
- LAQUAtwin is fully waterproof and dustproof (IP67 rated)
- Carry case comes standard for handy portability



Accurate reading from only a single drop, in a few seconds

**Select LAQUAtwin from 7 parameters**



pH Meter  
B-711/B-712  
B-713(US Only)

Conductivity(EC) Meter  
B-771

Sodium Ion Meter  
B-722

Potassium Ion Meter  
B-731

Nitrate Ion Meter  
B-741 (for crops)  
B-742 (for soil)  
B-743 (for general use)

Calcium Ion Meter  
B-751

Salt Meter  
B-721

**Unique measurement variation by LAQUAtwin**

Select measurement method depending on your situation and sample.



Drops



Immersion



Scoop



Wipe



Solid samples

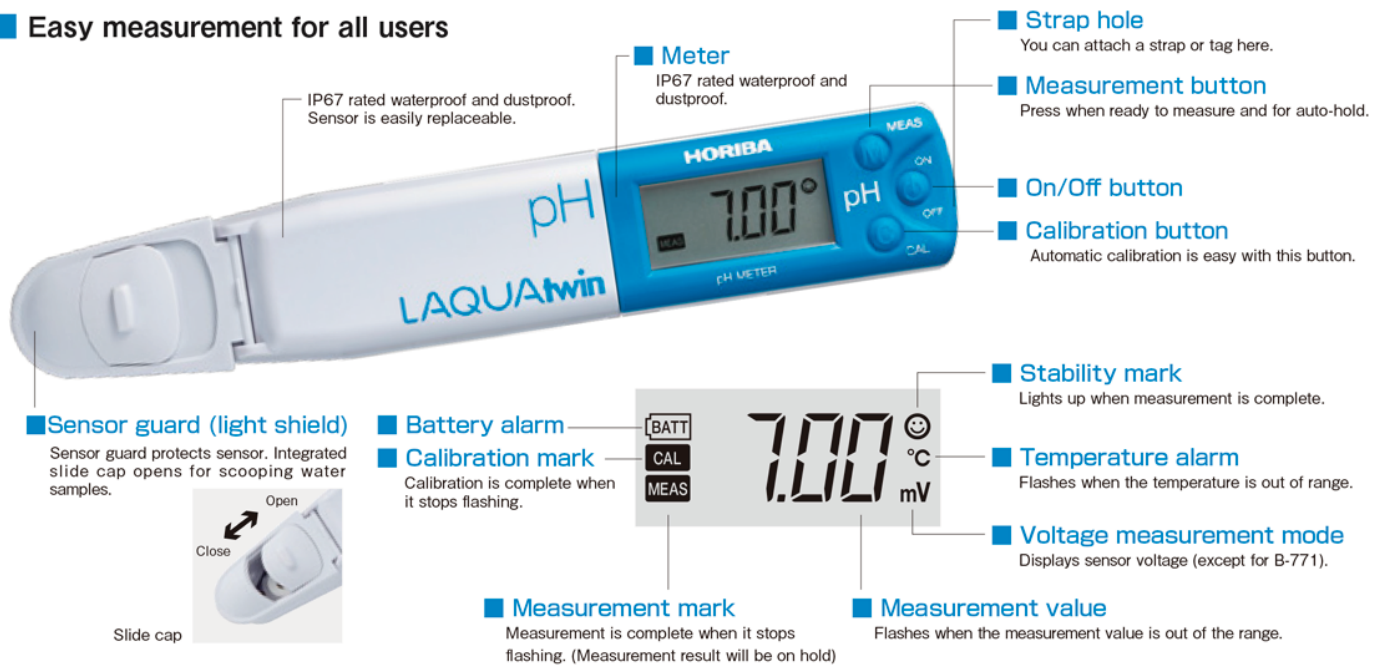


Powders



Paper, textiles

## Easy measurement for all users



## Specifications

	pH		Conductivity(EC)	Sodium Ion(Na <sup>+</sup> )	Potassium Ion(K <sup>+</sup> )	Nitrate Ion(NO <sub>3</sub> <sup>-</sup> )	Calcium Ion(Ca <sup>2+</sup> )	Salt(NaCl)
Model	B-711	B-712 B-713	B-771	B-722	B-731	B-743 <sup>*1</sup> (for general use)	B-751	B-721
Measurement principle	Glass electrode method		2 AC bipolar	Ion electrode method				
Minimum sample volume	0.05 mL <sup>*2</sup> , or 0.1 mL <sup>more*2</sup>		0.12 mL or more	0.05 mL <sup>*2</sup> , 0.3 mL or more				
Measurement range	2 to 12 pH		Conductivity : 0 to 19.9mS/cm (0 to 1.99S/m) Salt : 0 to 1.1% TDS : 0 to 9900 ppm	23 to 2300 ppm(mg/L) (10 <sup>-3</sup> to 10 <sup>-1</sup> mol/L)	39 to 3900 ppm(mg/L) (10 <sup>-3</sup> to 10 <sup>-1</sup> mol/L) 20 to 2000 kg/10a <sup>*3</sup>	NO <sub>3</sub> <sup>-</sup> :62 to 6200 ppm(mg/L) (10 <sup>-3</sup> to 10 <sup>-1</sup> mol/L) NO <sub>3</sub> <sup>-</sup> -N:14 to 1400 ppm(mg/L)	40 to 4000 ppm(mg/L) (10 <sup>-3</sup> to 10 <sup>-1</sup> mol/L)	0.1 to 10% by weight
Calibration	One-point	Two-point <sup>*5</sup>	Two-point <sup>*5</sup>	Two-point <sup>*5</sup>				
Accuracy <sup>*6</sup>	±0.1 pH		±2%F.S.±1digit (for each range) <sup>*7</sup>	±10% of reading value.			±20% of reading value	±10% of reading value
Functions	Temperature compensation • Auto hold • IP67Water/Dust proof <sup>*8</sup>		Salt/TDS Measurement • Temperature conversion (2%/°C fixed) • Auto hold • IP67Water/Dust proof <sup>*8</sup>	Temperature compensation • Auto hold • IP67Water/Dust proof <sup>*8</sup>				
Operating temperature/humidity	5 to 40°C, 85% or less in relative humidity (no condensation)							
Power	CR2032 batteries (x2)							
Dimensions/Mass	164 mm × 29 mm × 20 mm (excluding projections) / Approx. 50 g (meter only, without batteries, B-771 approx. 45 g)							

<sup>\*1</sup> Special application packages for crop measurement (B-741) and soil measurement (B-742) are also available.

<sup>\*2</sup> Smaller amount(0.05 mL or more) can be measured with the sampling sheet B. (Please close the light shield cover. If a sample that contain particulate, please use " Sampling sheet holder" (sold separately))

<sup>\*3</sup> With soil/water sampling ratio of 1:5. <sup>\*4</sup> When the measured value is out of the measurement range, the displayed value blinks. It should be used only as a guide.

<sup>\*5</sup> Selectable between one-point and two-point calibrations. High conductivity standard solution (12.9 mS/cm) is sold separately.

<sup>\*6</sup> Repeatability in measurement of a standard solution after calibration using it. <sup>\*7</sup> ①±5 μS/cm (0 to 199 μS/cm) ②±0.05 mS/cm(0.20 to 1.99 mS/cm) ③±0.5mS/cm (2.0 to 19.9 mS/cm)④±5 mS/cm (20 to 199 mS/cm)

<sup>\*8</sup> IP67 : no failure when immersed in water at a depth of 1 meter for 30 minutes. But the product can not be used underwater.