

LAQUAtwin

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

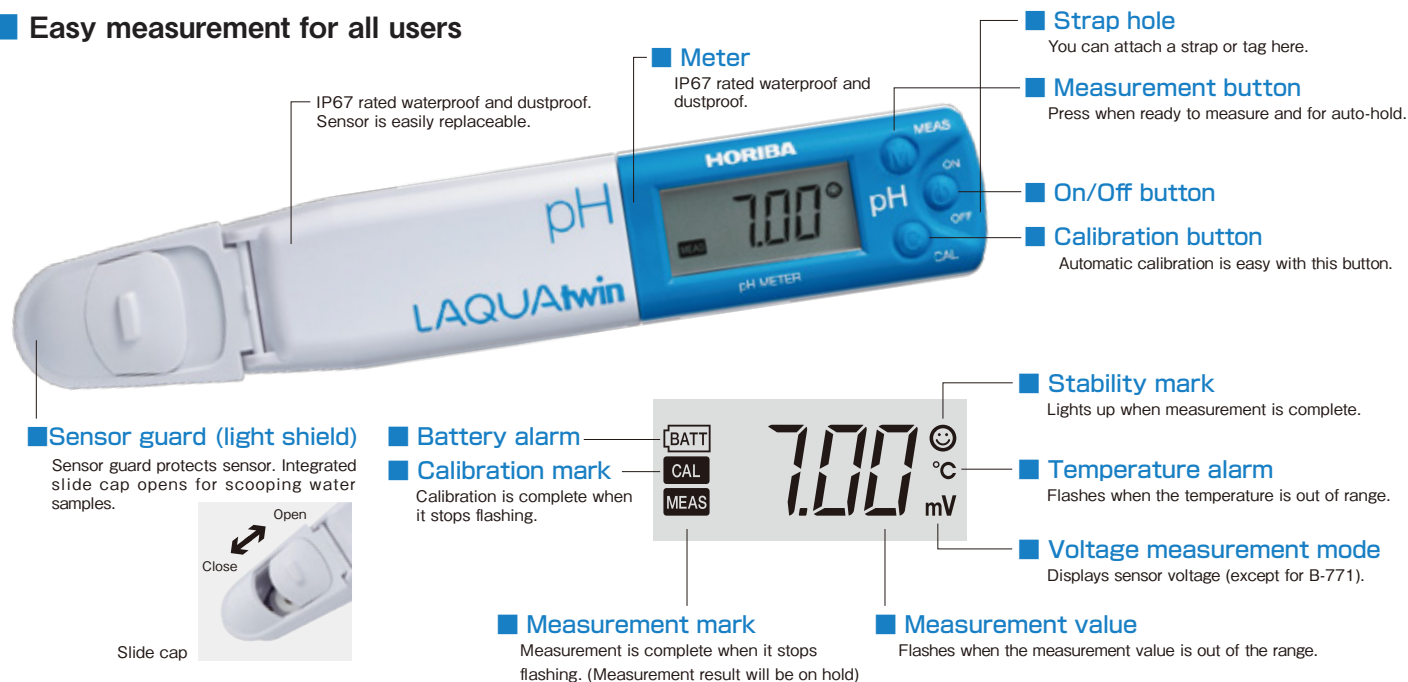


Powders



Paper, textiles

Easy measurement for all users



Specifications

	pH		Conductivity(EC)	Sodium Ion(Na ⁺)	Potassium Ion(K ⁺)	Nitrate Ion(NO ₃ ⁻)	Calcium Ion(Ca ²⁺)	Salt(NaCl)
Model	B-711	B-712 B-713	B-771	B-722	B-731	B-743 ^{*1} (for general use)	B-751	B-721
Measurement principle	Glass electrode method		2 AC bipolar		Ion electrode method			
Minimum sample volume	0.05 mL ² , or 0.1 mL ^{more 2}		0.12 mL or more		0.05 mL ² , 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 ⁻³ to 10 ⁻¹ mol/L)	39 to 3900 ppm(mg/L) (10 ⁻³ to 10 ⁻¹ mol/L) 20 to 2000 kg/10a ⁻³	NO ₃ ⁻ :62 to 6200 ppm(mg/L) (10 ⁻³ to 10 ⁻¹ mol/L) NO ₃ ⁻ -N:14 to 1400 ppm(mg/L)	40 to 4000 ppm(mg/L) (10 ⁻³ to 10 ⁻¹ mol/L)	0.1 to 10% by weight
Calibration	One-point	Two-point ^{*5}	Two-point ^{*5}		Two-point ^{*5}			
Accuracy ^{*6}	±0.1 pH		±2%F.S.±1 digit (for each range) ^{*7}		±10% of reading value.		±20% of reading value	±10% of reading value
Functions	Temperature compensation · Auto hold · IP67Water/Dust proof ^{*8}		Salt/TDS Measurement · Temperature conversion (2%/°C fixed) · Auto hold · IP67Water/Dust proof ^{*8}		Temperature compensation · Auto hold · IP67Water/Dust proof ^{*8}			
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)							

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

*2 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))

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

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

*6 Repeatability in measurement of a standard solution after calibration using it. *7 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)

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



Please read the operation manual before using this product to assure safe and proper handling of the product.

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