

**HORIBA**

Explore the future

COMPACT NITRATE  
ION METER**twinNO<sub>3</sub><sup>-</sup>**  
**B-340 Series**

## HORIBA's flat sensor enables easy measurement with only a few drops of sample

**Simple, Accurate, Rapid Measurement!****Waterproof body****Just drop the sample directly on the sensor****Easy to read LCD display****Actual size**

Measurement button

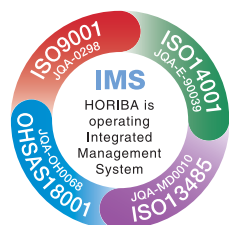
ON/OFF button

Calibration button

The B-340 series is a compact and robust nitrate ion meter using HORIBA's revolutionary flat sensor technology. This technology allows very small sample sizes to be measured (minimum sample size 0.3mL). The instrument is simple to calibrate and easy to use. Combine this with its compact pocket size and you have an instrument that can be used for various applications in the lab or out in the field.

- Waterproof\*
- Automatic calibration function (selection of 1-point, 2-point calibration)
- Wide measuring range
- Flat sensor enables measurements of small sample volumes (0.3mL)
- Special setting modes (temperature measurement, voltage measurement, compensation function etc)
- Selectable analysis of NO<sub>3</sub><sup>-</sup> or NO<sub>2</sub><sup>-</sup>-N
- Selectable units (ppm, mg/L, kg/10a)

\* The instrument may not be used when totally submerged underwater



## Specifications

Model	B-341 (for crops)	B-342 (for soil)	B-343 (for general use)	
Measurement principle	Ion electrode method			
Sample volume required for measurement	0.3 mL to 2.0 mL			
Measurement range	NO <sub>3</sub> <sup>-</sup>	100 to 9900 (ppm or mg/L)	30 to 600 (ppm or mg/L)	62 to 6200 (ppm or mg/L)
	NO <sub>3</sub> <sup>-</sup> -N	23 to 2200 (ppm or mg/L-N)	6.8 to 140 (ppm or mg/L-N)	14 to 1400 (ppm or mg/L-N)
	NO <sub>3</sub> <sup>-</sup> -N *1	-	3.4 to 68 (kg/10a)	-
Calibration method	One calibration to 5000 ppm (two calibrations to 300 ppm and 5000 ppm)	One calibration to 300 ppm (two calibrations to 30 ppm and 300 ppm)	One calibration to 2000 ppm (two calibrations to 150 ppm and 2000 ppm)	
Reproducibility	± 10% *2			
Display	4-digit digital LCD display			
Power	CR2032 batteries (x2)			
Waterproof standard	IP67 *3			
Auto power OFF	30 minutes			
Outer dimensions	165 mm x 29 mm x 19 mm (excluding projections)			
Mass	Approx. 52 g (meter only)			
Operating temperature/humidity	5°C to 40°C, 85% relative humidity max. (no condensation)			
Operation switches	3 switches (power, calibration, measurement)			

\*1 With soil/water sampling ratio of 1:5.

\*2 Using HORIBA's prescribed method.

\*3 No failure when submerged in water at a depth of 1 meter for 30 minutes. The meter cannot be used underwater.



B-341 and B-342 are kit products. For individual purchase of meters, please contact our sales representatives.

*HORIBA continues contributing to the preservation of the global environment through analysis and measuring technology.*



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

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