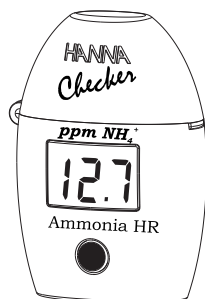


# HI 733

## Ammonia High Range



**HANNA**  
instruments  
www.hannainst.com

Dear Customer,

Thank you for choosing a Hanna Instruments Product. Please read this instruction manual carefully before using the instrument. If you need additional technical information, do not hesitate to e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com).

### Preliminary examination:

Please examine this product carefully. Make sure that the instrument is not damaged. If any damage occurred during shipment, please notify your Dealer.

Each HI 733 meter is supplied complete with:

- Two Sample Cuvettes and Caps
- One bottle of HI 733A-0 Reagent A
- One bottle of HI 733B-0 Reagent B
- 1 x 1.5V AAA Battery
- Instruction Manual

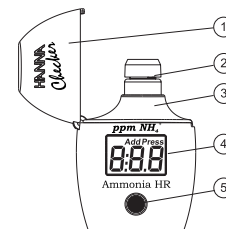


**For more details about spare parts and accessories see "Accessories".**

### Technical specifications:

Range	0.0 to 99.9 ppm as $\text{NH}_4^+$
Resolution	0.1 ppm
Accuracy	$\pm 1.0$ ppm $\pm 5\%$ of reading @ 25 °C / 77 °F
Typical EMC Dev.	$\pm 0.1$ ppm
Light Source	Light Emitting Diode @ 470 nm
Light Detector	Silicon Photocell
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426-92, Nessler method. The reaction between ammonia and reagents causes a yellow tint in the sample.
Environment	0 to 50 °C (32 to 122 °F); max 95% RH non-condensing
Battery Type	1 x 1.5V AAA
Auto-Shut off	After 10 minutes of non-use
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")
Weight	64 g (2.25 oz.)

### Functional description:



1. Dust cover.
2. Cuvette with cap.
3. Cuvette holder.
4. Liquid Crystal Display.
5. Button.

### Errors and warnings:

L.H.

**Light High:** There is too much light to perform a measurement. Please check the preparation of the zero cuvette.

L.Lo

**Light Low:** There is not enough light to perform a measurement. Please check the preparation of the zero cuvette.

Inu

**Inverted cuvettes:** The sample and the zero cuvette are inverted.

0.00

**Under range:** A blinking "0.00" indicates that the sample absorbs less light than the zero reference. Check the procedure and make sure you use the same cuvette for reference (zero) and measurement.

999

**Over Range:** A flashing value of the maximum concentration indicates the reading is over range. Dilute the sample and re-run the test.

bAt

**Battery low:** The battery must be replaced soon.

bAd

**Dead battery:** This indicates that the battery is dead and must be replaced. Once this indication is displayed, normal operation of the instrument will be interrupted. Change the battery and restart the meter.

bAt