





Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HANNA INSTRUMENTS HI 701. You'll find the answers to all your questions on the HANNA INSTRUMENTS HI 701 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HANNA INSTRUMENTS HI 701
User guide HANNA INSTRUMENTS HI 701
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Instructions for use HANNA INSTRUMENTS HI 701
Instruction manual HANNA INSTRUMENTS HI 701



HI 701
Free Chlorine




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.

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 701 meter is supplied complete with:
• Two Sample Cuvettes and Caps
• Six powder reagents for Free Chlorine
• 1 x 1.5V AAA Battery
• Instruction Manual

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

Technical specifications:	
Range	0.00 to 2.50 ppm
Resolution	0.01 ppm
Accuracy	±0.03 ppm ±3% of reading @ 25°C
Typical EMC Dev.	±0.01 ppm
Light Source	light Emitting Diode @ 525 nm
Light Detector	Silicon Photocell
Method	Adaptation of USEPA method 330.5. The reaction between free chlorine and the DPD reagent causes a pink 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 2 minutes of non-use and 10 seconds after reading.
Dimensions	81.5 x 41 x 37.5 mm (3.2 x 1.6 x 1.5")
Weight	64 g (2.25 oz.)

Functional description:



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

Errors and warnings:

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

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

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

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.

Over Range: A flashing value of the maximum concentration indicates an over range condition. The concentration of the sample is beyond the programmed range. Dilute the sample and re-run the test.

Battery low: The battery must be replaced soon.

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.



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Manual abstract:

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. Functional description: 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. @@Cuvette cap. 2. Cuvette with cap. 3.

Cuvette holder. 4. Liquid Crystal Display. 5. @@Please check the preparation of the zero cuvette.

Light Low: There is not enough light to perform a measurement. Please check the preparation of the zero cuvette. **Inverted cuvettes:** The sample and the zero cuvette are inverted. @@Check the procedure and make sure you use the same cuvette for reference (zero) and measurement. **Over Range:** A flashing value of the maximum concentration indicates an over range condition.

The concentration of the sample is beyond the programmed range: dilute the sample and re-run the test. **Battery low:** The battery must be replaced soon.

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. For more details about spare parts and accessories see "Accessories". Technical specifications: Range Resolution Accuracy Typical EMC Dev. Light Source Light Detector Method 0.00 to 2.50 ppm 0.

01 ppm ± 0.03 ppm $\pm 3\%$ of reading @ 25°C ± 0.01 ppm Light Emitting Diode @ 525 nm Silicon Photocell Adaptation of USEPA method 330.5. The reaction between free chlorine and the DPD reagent causes a pink tint in the sample. 0 to 50°C (32 to 122°F); max 95% RH non-condensing 1 x 1.5V AAA After 2 minutes of non-use and 10 seconds after reading. @@h a n n a i n s t . @@@@When the display shows "Add", "C.2" with "Press" blinking the meter is zeroed.

To save the battery, the instrument shuts down after 2 minutes of non-use and 10 seconds after read. One fresh battery lasts for a minimum of 5000 measurements, depending on the light level. When the battery capacity is under 10 % "bAt" appears on the LCD at start-up. If the battery is empty and accurate measurements can't be taken any more, the instrument shows "bAd" then "bAt" each for 1 second and turns off. To restart the instrument, the battery must be replaced with a fresh one.

To replace the instrument's battery, follow the steps: · Turn the instrument off by holding the button until the meter shuts off. @@Replace the cap and shake gently for 20 seconds. @@@@The meter automatically turns off after 10 seconds. IST701 03/10 · Remove the battery from its location and replace it with a fresh one. · Insert the battery cover and replace the screw with a screwdriver.



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