Tips for an Accurate Measurement

- It is important that the sample does not contain any debris.
- Whenever the cuvette is placed into the measurement cell, it must be dry outside, and completely free of fingerprints, oil and dirt. Wipe it thoroughly with H1731318 or a lint-free cloth prior to insertion.
- Shaking the cuvette can generate bubbles, causing higher readings. To obtain accurate measurements, remove such bubbles by swirling or by gently tapping the cuvette.
- Do not let the reacted sample stand for too long after reagent is added, as accuracy will be affected.
- After the reading it is important to immediately discard the sample, otherwise the glass might become permanently stained.

Battery Management

To save the battery, the instrument shuts down after 10 minutes of non-use and 2 minutes after reading.

One fresh battery lasts for a minimum of 5000 measurements. When the battery is dead the instrument will display "bAd" then "bAt" for 1 second and then turns off. To restart the instrument, the battery must be replaced with a new one.

To replace the instrument's battery:

- Turn the instrument off by holding the button until the meter shuts off.
- Turn the instrument upside down and remove the battery cover with a screwdriver.



 Remove the battery from its location and replace it with a new one, inserting the negative end first.



Recommendations for Users

Before using Hanna Instruments products, make sure that they are entirely suitable for your specific application and for the environment in which they are used. Operation of these instruments may cause unacceptable interferences to other electronic equipment, thus requiring the operator to take all necessary steps to correct such interferences. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid damages or burns, do not put the instrument in microwave oven. For yours and the instrument safety do not use or store the instrument in hazardous environments.

Accessories

Reagent Sets

	Reagents for 25 Chromium VI High Range tests
Other Accessories	
HI723-11	Chromium VI HR Certified Standard Kit
HI731225	Cuvette Black Cap for Checker® HC Colorimeters (4 pcs.)
HI731318	Cloth for wiping cuvettes (4 pcs.)
HI731321	Glass cuvettes and Seal Cap for Checker® HC Colorimeters (4 pcs.)
HI731353	Cuvette Seal Cap for Checker® HC Colorimeters (4 pcs.)
HI740028P	1.5V AAA batteries (12 pcs.)
H193703-50	Cuvette cleaning solution (230 mL)

Warranty

HI723 is warranted for a period of one year after date of purchase against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. This warranty is limited to repair or replacement free of charge. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered. If service is required, contact your local Hanna Instruments Office. If under warranty, report the model number, date of purchase, serial number and the nature of the problem. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the instrument is to be returned to Hanna Instruments, first obtain a Return Goods Authorization number from the Technical Service department and then send it with shipping costs prepaid. When shipping any instrument, make sure it is properly packed for complete protection.

INSTRUCTION MANUAL

HI723 Chromium VI High Range





• Insert the battery cover and replace the screw with a screwdriver.

Thank You

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using the instrument.

For more information about Hanna Instruments and our products, visit www.hannainst.com.

For technical support, contact your local Hanna Instruments Office or e-mail us at tech@hannainst.com.

Find your local Hanna Instruments Office on www.hannainst.com.

Preliminary Examination

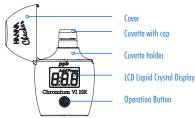
Please examine this product carefully. Make sure that the instrument is not damaged. If any damage occurred during shipment, please contact your local Hanna Instruments Office. Each H1723 meter is supplied complete with:

- Sample Cuvettes and Caps (2 pcs.)
- Reagent for 6 tests
- 1.5V AAA Battery (1 pc.)
- Instruction Manual and Quick Reference Guide

Specifications

Range	0 to 999 ppb
Resolution	1 ppb
Accuracy	±5 ppm $\pm4\%$ of reading @25 °C/77 °F
Light Source	Light Emitting Diode @525 nm
Light Detector	Silicon Photocell
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1687-92, Diphenykarbohydrazide method. The reac- tion between chromium VI and the reagent causes a purple tint in the sample.
Environment	0 to 50 °C (32 to 122 °F); max 95% RH non-condesing
Battery Type	1.5V AAA (1 pc.)
Auto-Shut off	After 10 minutes of non-use and 2 minutes after reading
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")
Weight	52 g (1.84 oz.)

Functional Description



Errors and Warnings

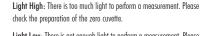


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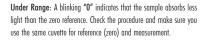
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Light Low: There is not enough light to perform a measurement. Please check the preparation of the zero cuvette.

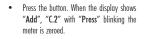
Inverted Cuvettes: The sample and the zero cuvette are inverted.



- Over Range: A flashing value of the maximum concentration indicates the reading is over 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.

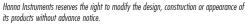
Measurement Procedure

- Turn the meter on by pressing the button. All segments will be displayed. When the display shows "Add", "C.1" with "Press" blinking, the meter is ready.
- Fill the cuvette with 10 mL of unreacted sample and replace the cap. Place the cuvette into the meter and close the meter's cap.



- Remove the cuvette from the meter and unscrew the cap. Add the content of one packet of H1723-0 reagent. Replace the cap and shake vigorously for about 10 seconds. Place the cuvette back into the meter.
- Press and hold the button until the timer is displayed on the LCD (the display will show the countdown prior to the measurement) or, alternatively, wait for 6 minutes and press the button.
- The instrument displays concentration in ppb of chromium VI. The meter automatically turns off after 2 minutes.

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📇 10 mL

Add Press



