

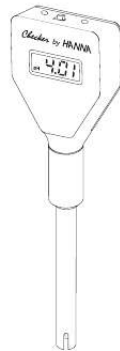


Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HANNA INSTRUMENTS HI 98103. You'll find the answers to all your questions on the HANNA INSTRUMENTS HI 98103 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 98103
User guide HANNA INSTRUMENTS HI 98103
Operating instructions HANNA INSTRUMENTS HI 98103
Instructions for use HANNA INSTRUMENTS HI 98103
Instruction manual HANNA INSTRUMENTS HI 98103

Checker®
HI 98103
pH tester with
replaceable electrode



HANNA
instruments
www.hannainst.com

Dear Customer,
Thank you for choosing a Hanna product.
Read carefully this instruction manual before using the instrument. If you need additional technical information, do not hesitate to e-mail us at tech@hannainst.com

This instrument is in compliance with the CE directives.

PRELIMINARY EXAMINATION

Remove the instrument from its packaging immediately and examine it carefully to make sure that no damage has occurred during shipment. If there is any damage, immediately notify your Dealer.

The meter is supplied complete with:
• HI 1270 pH electrode
• 2 x 1.5V alkaline batteries
• Instructions

Note: Cover all packing material until the instrument has been observed to function correctly. Any defective item must be returned in its original packing.

WARRANTY

This meter is guaranteed for one year against defects in workmanship and material when used for its intended purpose and maintained according to instructions. The electrode is guaranteed for a period of six months. This warranty is linked to repair or replacement free of charge. Damage due to accident, misuse, tampering or lack of prescribed maintenance are not covered. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and description of the defect. If the repair is not covered by the warranty, you will be notified of the charge involved. If the instrument is to be returned to Hanna Instruments, first obtain a Return Goods Authorization Number from the Customer Service Department and then send it with shipment costs prepaid. When shipping any instrument make sure it is properly packaged for complete protection.

SPECIFICATIONS

Range 0.00 to 14.00 pH
Resolution 0.01 pH
Accuracy (@20°C) ±0.2 pH
Calibration Manual, 2 points
Electrode HI 1270 (included)
Environment 0 to 50°C (32 to 122°F);
RH 85% max.
Battery type 2x1.5V alkaline
Battery life approx. 3000 hours
of continuous use
Dimensions 86x50x25 mm (3.4x2.0x1")
(meter only)
Weight 30 g (1.0 oz)

ACCESSORIES

HI 1270 Replaceable pH electrode with screw-type connector
HI 7004P pH 4.01 buffer sachet (20 ml, 25 pcs)
HI 7007P pH 7.01 buffer sachet (20 ml, 25 pcs)
HI 7009P pH 10.01 buffer sachet (20 ml, 25 pcs)
HI 7005M Storage solution, 200 ml bottle
HI 706HM Cleaning solution, 200 ml bottle

Recommendations for Users

Observe the product name and that it is clearly visible for the environment in which it is used. Storage of the instrument in uncleaned condition may cause damage to the instrument. The glass bulb of the electrode must be protected by a suitable protective device. Avoid touching the electrode bulb at all times. Any accident involving the use of the instrument may damage the instrument. Do not perform. To avoid electrical shock, do not use the instrument when the charge of the measurement battery exceeds 24 V or 10 Vdc. To avoid damage or burns, do not perform any measurement in molten media.

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Manual abstract:

@@This instrument is in compliance with the directives. SPECIFICATIONS Range 0.00 to 14.00 pH Resolution 0.01 pH Accuracy (@20°C) ±0.2 pH Calibration Manual, 2 points Electrode HI 1270 (included) Environment 0 to 50°C (32 to 122°F); RH 95% max Battery type 2x1.5V alkaline Battery life approx. 3000 hours of continuous use Dimensions 66x50x25 mm (2.6x2.2x1") (meter only) Weight 50 g (1.

8 oz) PRELIMINARY EXAMINATION Remove the instrument from the packing material and examine it carefully to make sure that no damage has occurred during shipment. If there is any damage, immediately notify your Dealer. The meter is supplied complete with · HI 1270 pH electrode · 2 x 1.5V alkaline batteries · instructions Note: Conserve all packing material until the instrument has been observed to function correctly. Any defective item must be returned in its original packing.

ACCESSORIES HI 1270 HI 70004P HI 70007P HI 70010P HI 70300M HI 7061M Replaceable pH electrode with screw-type connector pH 4.01 buffer sachet (20 ml, 25 pcs) pH 7.01 buffer sachet (20 ml, 25 pcs) pH 10.01 buffer sachet (20 ml, 25 pcs) Storage solution, 230 ml bottle Cleaning solution, 230 ml bottle

WARRANTY This meter is guaranteed for one year against defects in workmanship and materials when used for its intended purpose and maintained according to instructions. The electrode is guaranteed for a period of six months.

This warranty is limited to repair or replacement free of charge. Damages due to accident, misuse, tampering or lack of prescribed maintenance are not covered. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. @@@@Avoid touching this glass bulb at all times. @@@@Allow the reading to stabilize.

@@@@This is normal with pH electrodes and they dissolve when rinsed with water. · Connect the electrode to the meter. · Remove the protective cap and immerse the tip of the electrode (bottom 4cm/1½") in the sample to be tested. · Stir gently and wait for stable reading.

NEVER IMMERSER THE ELECTRODE OVER THE MAXIMUM IMMERSION LEVEL. THE CONNECTOR MUST BE ALWAYS CLEAN AND DRY. · After use, rinse the electrode with water and store it with a few drops of HI 70300 storage solution in the protective cap. DO NOT USE DISTILLED OR DEIONIZED WATER FOR STORAGE PURPOSES. · Always replace the protective cap after use. · Rinse the electrode with water and dip it in pH 4.01 (or pH 10.01) buffer solution. Allow the reading to stabilize. · With a small screwdriver adjust the pH4/10 trimmer until the display reads "pH 4.

01" (or "pH 10.01"). BATTERY REPLACEMENT Replace the batteries when the display fades or the meter cannot be switched on. Remove the battery cover on the back of the meter. Insert 2 new 1.

5V batteries, while paying attention to their polarity. @@.



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