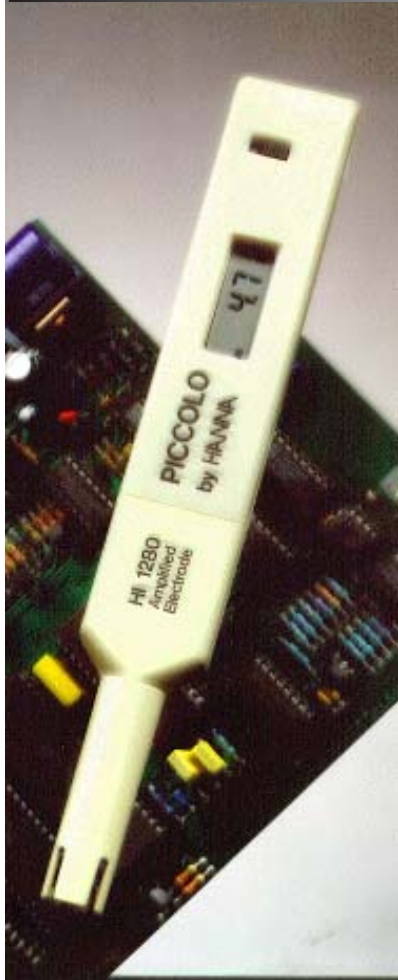


PICCOLO

ATC pH Meter



PICCOLO

ATC pH Meter

SPECIFICATIONS

RANGE 0.00 to 13.00 pH
RESOLUTION 0.01 pH
ACCURACY ± 0.01 pH
(@20°C/68°F)
TYPICAL EMC DEVIATION ± 0.05 pH
CALIBRATION Manual, two points through OFFSET and SLOPE trimmers
TEMPERATURE COMPENSATION Automatic from 0 to 70°C (32 to 158°F)
PROBE HI 1280 (included)
BATTERY TYPE 3 x 1.4V (Duracell MP675H or equivalent)
LIFE approx. 100 hours
ENVIRONMENT 0 to 50°C (32 to 122°F) max
95% RH non-condensing
DIMENSIONS 194x29x15 (7.6x1.2x0.6")
WEIGHT 70 g (2.5 oz.)

ACCESSORIES

HI 774P pH 7.01 and pH 4.01 buffer solutions (20 mL each) and screwdriver
HI 777P pH 7.01 buffer solution (2x20 mL) and screwdriver
HI 7710P pH 7.01 and pH 10.01 buffer solutions (20 mL each) and screwdriver
HI 1280 Amplified pH electrode

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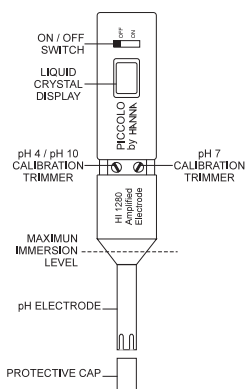
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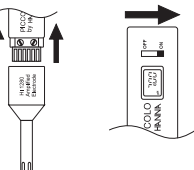
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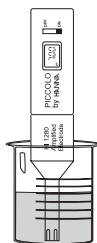


OPERATION

- Connect the electrode to the meter with both writings (meter and electrode) facing upwards and turn the meter on.

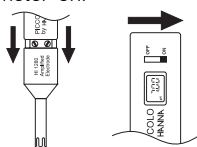


- Dip the probe in the sample to be measured. Under no circumstances the immersion shall be above the max. level indicated above. Stir gently until the display shows a stable reading. PICCOLO will automatically compensate for the temperature variation.
- When testing a new sample, it is recommended to rinse the probe with some of the sample itself prior to measurement. This prevents likelihood of cross-contamination.
- When not in use, switch the PICCOLO off.

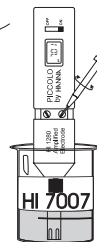


CALIBRATION

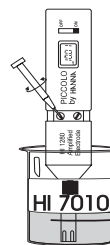
- Slide down the probe to access the calibration trimmers and turn the meter on.



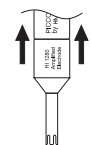
- Dip the probe in a pH 7.01 buffer solution (HI 7007). Allow the display to stabilize and using a small screwdriver slowly turn the pH 7 Calibration Trimmer to read "7.01".



- To perform a two point calibration, if you are measuring acidic liquids use a pH 4.01 buffer (HI 7004), and for alkaline measurements use a pH 10.01 buffer (HI 7010).



- Rinse the electrode in water and dip it in the second buffer. Allow the reading to stabilize and using a small screwdriver turn the pH 4/10 Calibration Trimmer to read "4.01" or "10.01" respectively.
- The calibration is now complete. Return the probe to its normal position.



MAINTENANCE

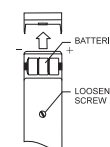
If the probe remains dry for a long time, it is necessary to reactivate it by immersing it in a storage solution (HI 70300) for 4 hours before use. The probe should be rinsed with plenty of water after use.

BATTERY REPLACEMENT

When PICCOLO cannot be switched on or the display segments fade, it is necessary to replace all 3 x 1.4V batteries.

Batteries should only be replaced in a safe area using the battery type specified in this instruction manual.

Loosen the upper screw and slide off the cover on the back of the meter. Replace all three batteries while paying attention to their polarity.



Reinsert the cover and tighten the screw.

It is recommended to recalibrate the instrument whenever the batteries are replaced.

Recommendations for Users

Before using this product, ensure that it is entirely suitable for the environment in which it is used. Operation of this instrument in residential areas could cause unacceptable interference to radio and TV equipment. The glass bulb at the end of the electrode is sensitive to electrostatic discharges. Avoid touching this glass bulb at all times. During operation of the instrument, ESD wrist straps should be worn to avoid possible damage to the pH electrode by electrostatic discharges. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid electrical shock, do not use these instruments when voltage at the measurement surface exceeds 24VAC or 60VDC. To avoid damage or burns, do not perform any measurement in microwave ovens.