

PHT-026

Operation Manual



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Features:

- With Built-in Rechargeable Battery that can last up to 5 yrs!!
- Simultaneously read results
- Comes with FREE protective cap, pH Electrode, calibration screwdriver, pH6.864 and pH4.003 CALIBRATION SOLUTIONS
- Manual is provided for quick and easy installation and to best utilize PHT-026
- Has large digital Display system for easy reading
- A FREE AC POWER ADAPTOR for Australia, UK, US or Europe system is provided if you want to save the built-in battery power for later use
- The unit can be simply calibrated in one-point with a mini-screw driver and has a large digital graphic display for maximum efficiency

Specifications:

- Range
PH: 14.00PH ~ 0.00
°C: -50°C ~ 70°C
CF: 0.0 ~ 199CF
EC : 0.00~19.99EC
°F : -58°F~158°F
TDS : 10~19990ppm
- Resolution
PH: 0.01PH
°C: 0.1°C
TDS: 10 ppm
EC: 0.01EC
°F: 0.2°F
CF: 0.1CF
- Accuracy
PH: ± 0.1 PH
°C: 1.0°C
EC, CF, TDS: $\pm 2\%$ F.S



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- Operating Temperature:
0 °C ~ 50 °C
- Automatic Temperature Compensation (ATC):
0 °C ~ 50 °C
- AC Power Adaptor
(for UK, US, Australia or Europe)
- Dimensions: 155mm x 86mm x 22mm
- Weight: 223g

Parts:



- 1 Display
- 2 Charger / Power Supply connector
- 3 ON/OFF switch
- 4 pH electrode input terminal
- 5 PH 7 calibration knob
- 6 °C/°F action function switch
- 7 EC/CF/PPM calibration knob
- 8 MODE action function switch
- 9 Temp, EC, CF, ppm electrode



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Operating Information:

- If it will be used for the first time, the meter has to be charged first. After plugging in the AC adaptor to the PHT-026 meter, slide the power switch to the left to turn ON the device. Charge the built-in rechargeable battery for two hours before you start using PHT-026.
- Remove the PH electrode's protective cap and connect it to the pH electrode input terminal found at the left part of the meter.
- Slide the power switch to the left to turn on the meter.
- Immerse the two electrodes in the solution to be tested. Stir gently and wait for the reading to stabilize.
- Press the "°C/°F" button to choose between °C or °F. And press the "MODE" button to choose from EC, CF or PPM to show precise measurement respectively.
- After using, turn off the meter. Rinse the electrode with distilled water to minimize contamination. Put back the protective cap on the pH electrode.

Calibration Setting:

- PH Calibration
 - Immerse the electrode in PH 6.86 standard buffer solution and gently shake it.
 - Allow the reading to stabilize. Use the mini screw driver to turn the PH7 calibration knob until the displays show "6.86". Rinse the electrode with distilled water, and absorb moisture by using filter-paper.
 - Immerse the electrode in pH4.01 or pH9.18



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- EC, CF, PPM calibration
 - Press the "MODE" button, choose EC for operation. Immerse the meter in $12880\mu\text{s}/\text{cm}$ (12.88EC) calibration solution.
 - Allow the reading to stabilize. Use the mini screw driver to turn the CAL Calibration knob until "12.88EC" appears. Rinse the electrode with distilled water, and absorb moisture by using filter-paper.
 - Immerse the meter in " $1413\mu\text{s}/\text{cm}$ (1.41EC)" calibration solution until the display shows "1413(1.41EC)".
- The instrument's pH range must be re-calibrated whenever:
 - The electrode has not been in used or has been in the storage for 4 or 5 months from the last calibration
 - the electrode has been used very often in a day
 - the electrode has been replaced
 - the utmost accuracy is required



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