



## Premier Water Testing Instruments

### HM-500 HydroMaster

#### HM-500 HydroMaster: EC/TDS, pH, Temp Continuous Monitor

The HM-500 is the most versatile continuous monitor indicating EC/TDS, pH, and Temp providing accurate, stable readings the user can rely on. With its rechargeable battery this unit is portable or can be wall mounted.. To make is even more user friendly, it comes equipped with touch screen, high and low alarm set points, and recorded readings. It is ideal for hydroponics and other applications such as lab, pools, aquariums etc.



#### FEATURES:

- Continuous pH/EC/TDS/Temp Monitor
- Rechargeable battery
- RF Resistant
- Portable/Wall Mount/Benchtop
- Data Storage: Up to 20 measurement readings
- Auto Shut-Off: After 5 minutes
- Alarm: Adjustable High & Low Set Point and on/off
- Display: LCD Touch-Type Screen with Auto Back lighting
- Probe: ABS with Platinum electrodes for EC / Single Junction pH Sensor



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## PRODUCT SPECIFICATIONS:

- Measurement Scales
  - pH: pH
  - Temp: °C, °F
  - TDS: ppm (0.5 / ppm (0.7) / ppt (0.5) / ppt (0.7)
  - EC:  $\mu$ S / mS
- Range:
  - pH: 0.00 – 14.00 pH
  - Temperature: 0.0 – 80.0 °C / 32.0 – 176 °F
  - TDS: 0 – 9999 ppm / 0 – 10.00 ppt
  - EC: 0 – 9999  $\mu$ S / 0 – 20.00 mS
- Resolution:
  - pH: 0.1 pH
  - Temp: 0.1°C / 0.1 °F
  - TDS: ppm: 0.1ppm (0 – 99.9ppm) / 1 ppm (100-999ppm) / 10ppm (1000-9990 ppm) ppt: 0.01 ppt (0.01 – 10.00 ppt)
  - EC:  $\mu$ S: 0.1  $\mu$ S (0 – 99.9  $\mu$ S) / 1 uS (100 – 999  $\mu$ S) / 10 $\mu$ S (1000-9990  $\mu$ S) mS: 0.01 mS (0.01 – 20.00 mS)
- ATC: Yes
- Accuracy:
  - pH:  $\pm$  0.1 pH
  - Temp:  $\pm$  1 °C / °F
  - TDS:  $\pm$  2 %
  - EC:  $\pm$  2 %
- Power Source: AC 110 V – 220V / Rechargeable Lithium Ion Battery
- Function Environment: 0 – 50°C (0-122°C) / RH 80 % (EC Probe: 0 – 80°C)
- Sensor Cable: 24-inch shielded Coaxial Cable