

# RAD Safety Water Monitor

Model: MEDA-SP

## To Separate Alphas, Betas, and Gammas

1. Built-in sliding Beta filter is standard
2. Alpha filter is optional

## If count rate exceeds 2 times background, water is not safe.

3. Use built-in pancake GM detector on bottom of ratemeter to check people, clothing and objects for surface contamination.
4. If count rate exceeds 2 times background, the person should take off the contaminated clothing. If count rate continues to exceed 2 times the background, hose them down and measure again.
5. Gamma probe count rate will increase as you approach a cache of radioactive materials. Knowing this you can search a car or check-out suspicious objects.

## Specifications


- **Read Out:** Digital recessed 2-1/2" display
- **Ranges:** 4 linear for each detector:
  - 0-500; 5,000; 50,000; 500,000 cpm for external
  - 0-0.15; 1.5; 15; 150 mR/hr. for internal detector
  - Other scales and overlays available: Sieverts, etc
- **Face Plate Switches:** On/Off; Battery Test with Light; Pulse Rate Light; Range Switch Positions: X1; X10; X100; X1,000; Reset; Dose Rate or Integrate without Accumulated; Volume Control Detector Switch (Toggle): Internal (pancake), External (scintillator) Submersible Probe (PGS-3SUB) Time Constant Switch: Fast, Slow (approx. 2 and 11 sec.)
- **Detectors:**
  - 2" O.D. Pancake Geiger for internal Alpha/Beta
  - Submersible, high sensitivity Gamma scintillation probe 1" x 1". NaI (TI) crystal standard
  - 2" x 2" crystal optional
- **Calibration:** Single master Cal Pot for each detector, plus individual Cal Pot for each scale Pots adjust from outside case
- **Power:** 6) AA Battery life - 100 hrs with normal operation
- **Dimensions:** 3" W x 5 1/4" L x 2 1/4" D (7.6cm W x 13.3cm L x 6cm D)
- **Total Weight:** 2.5 lbs. (including probe and battery)

## Accessories Included

- **EVAP-SP:** Sample evaporator with vehicle adaptor or battery.
- **PAN-AL:** Disposable aluminum Planchets for sample evaporation.



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