

# AMP 50

## GM Tube-based Rate Meter and Area Monitor



### OVERVIEW

The AMP-50 provides real-time remote radiological monitoring. Local readout of hand-held meter allows for use as a portable survey instrument.

More importantly, since the probe's sensitive electronics are located far from the high field (25 to 350 feet away), they are not subject to destructive gamma exposure. The probe head may be placed directly into a filter compartment or against a resin tank or waste liner.

The AMP-100 is designed specifically to be used in high dose rate fields. The AMP-200 features linear response from 10 uR/hr to 4 R/hr (.01 uSv/hr to 40 mSv/hr).

### FEATURES

- Rugged construction, waterproof detector housing and cable
- Quick-disconnect connectors allow customization of cable length and facilitate easy decontamination
- Built-in communication port for use with DDC-16, WRM transmitter.
- «Smoothed» digital display offers accurate, stable readings
- User-selectable internal alarm threshold

### TECHNICAL SPECIFICATIONS

#### Radiological Characteristics

- Detector: energy compensated GM-tube
- Detection range ( $\pm 10\%$ ): 10 uR/hr to 4 R/hr
- Energy range sensitivity: 17 cps per R/hr

#### Electrical Characteristics

- Power supply: 9 Volts (supplied by a 9 Volt battery located in the meter case)
- Optional 9 Volt AC adapter available
- Battery life: approximately 50 hours of continuous use

#### Mechanical Characteristics

- Meter dimensions (w x h x d): 6.8 x 11.9 x 1.2 cm (2.7 x 4.7 x 0.5 in)
- Probe head length: 16.5 cm (6.5 in)
- Diameter: 3.3 cm (1.3 in)
- Standard cable length: 7.6 m (25 ft)
- Maximum cable length: 106 m (350 ft)

#### Environmental Characteristics

- Temperature: -10° to 50°C (15 to 120° F)
- Relative humidity: 10 to 95% RH (non-condensing)

