



## AMP 100

GM Tube-Based Ratemeter and Area Monitor

The AMP-100 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.

### TECHNICAL SPECIFICATIONS:

#### Radiological Characteristics

- detector: energy compensated GM-tube 5zp-1301)
- detection range ( $\pm 10\%$ ): 0.005 R/h to 1 000 R/h
- energy range: sensitivity: 330 cps per R/h
- detector life time: 20 R/h field for six months

#### 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:  $-10^{\circ}$  to  $50^{\circ}\text{C}$  (15 to  $120^{\circ}\text{F}$ )

## Features:

The AMP-100 is designed specifically to be used in high dose rate fields. The AMP-100 features linear response from 0.5 mR/h to 1000 mR/h (0.5 msv/hr to 10 sv/hr).

- 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...
- Digital display offers accurate, stable readings
- User-selectable internal alarm threshold

