



AREA RADIATION MONITORING

AMP-100™

GM Tube-Based Ratemeter and Area Monitor



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 DDC16, WRM™ transmitter...
- «Smoothed» digital display offers accurate, stable readings
- User-selectable internal alarm threshold

DESCRIPTION

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

RADIOLOGICAL CHARACTERISTICS

- Detector: energy compensated GM-tube 5zp-1301
- Detection range ($\pm 10\%$): 0.005 R/hr to 1000 R/hr
- 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° to 50°C (15 to 120°F)
- Relative humidity: 10 to 95% RH (non-condensing)