

GMP-12-3, GMP-12H-3 & GMP-12L-3 External Gamma Probes



These External Probes enhance the detection capability of the RDS-31 survey meter.

The GMP-12-3, GMP-12H-3 and GMP-12L-3 probes are intended for monitoring gamma and X-ray radiation.

They have been designed to fulfill both the civil defense and industrial applications requirements.

SPECIFICATIONS

GMP-12-3 External High Dose Rate Gamma Probe

- Energy range: 50 keV - 3 MeV for dose rate range 0.05 μ Sv/h - 10 mSv/h, and 80 keV - 3 MeV for dose rate range 10 mSv/h - 10 Sv/h.
- Detector type: two halogen quenched, energy compensated GM tubes (types ZP 1202 and ZP 1304 or equivalent).
- Dose measurement range: 0.01 μ Sv - 10 Sv.
- Dose rate measurement range: 0.05 μ Sv/h - 10 Sv/h.
- Calibration accuracy: +5% of the reading in 3 mSv/h Cs-137 exposure at +20°C.

FEATURES

- Compatible with RADOS RDS-31 survey meter
- Remote dose rate measurements
- Optional telescopic rod
- GMP-12H extends measurement range of RDS-110
- Cord lengths up to 15 meters upon request

- Energy response: -20% ... +30% over energy range 80 keV - 1.25 MeV, also the same over energy range 50-80 keV when dose rate below 10 mSv/h, (+95% at 6 MeV).
- Temperature range: Operation: -40°C to +55°C.
- Storage: -40°C to +70°C.
- Enclosure class IP 67 (short term).
- Dimensions: Length 185 mm, cylinder diameter 45 mm.
- Weight: 400 g.

GMP-12 H-3 External High Dose Rate Gamma Probe

- Radiation detected: gamma and x-rays, according to ambient dose equivalent H*(10)
- Energy range: 80 keV - 1.3 MeV
- Detector type: halogen quenched, energy compensated GM tube (type ZP 1304 or equivalent)
- Dose measurement range*: 1 μ Sv - 10 Sv
- Dose rate measurement range*: 0.1 mSv/h - 10 Sv/h

- Calibration accuracy: \pm 5% of the reading in 3 mSv/h 137Cs exposure at +20°C (68°F)
- Energy response: \pm 15% over energy range 80 keV - 1.3 MeV, (+95% at 6 MeV)
- Temperature range: operation: -40°C to +55°C (-40 to 131°F) storage: -40°C to +70°C (-40 to 158°F)
- Dimensions: length 185 mm (7.28 in), cylinder diameter 45 mm (1.77 in)
- Weight: 370 g (0.81 lb), standard cord length 2 m (78.74 in)

GMP-12 L-3 External Low Dose Rate Gamma Probe

- Radiation detected: gamma and x-rays, according to ambient dose equivalent H*(10)
- Energy range: 50 keV - 1.3 MeV
- Detector type: halogen quenched, energy compensated GM tube (type ZP 1202 or equivalent)
- Dose measurement range: 0.01 μ Sv - 10 Sv
- Dose rate measurement range*: 0.05 μ Sv/h - 100 mSv/h

- Calibration accuracy: \pm 5% of the reading in 300 μ Sv/h 137Cs exposure at +20°C (68°F)
- Energy response: \pm 30% over energy range 50 keV - 1.3 MeV, (+95% at 6MeV)
- Temperature range: operation: -40°C to +55°C (-40°F to 131°F); storage: -40°C to +70°C (-40°F to 158°F)
- Dimensions: length 185 mm (7.28 in), cylinder diameter 45 mm (1.77 in)
- Weight: 380 g (0.83 lb), standard cord length 2 m (78.74 in)

