



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.

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



health physics

A Mirion Technologies Division

Featuring:

RADOS

TECHNICAL SPECIFICATIONS:

GMP-12-3 External High Dose Rate Gamma Probe

- radiation detected: gamma and x-rays, according to ambient dose equivalent H*(10).
- energy range: 50 keV - 3 MeV for dose rate range 0.05 µSv/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 µSv - 10 Sv.
- dose rate measurement range: 0.05 µSv/h - 10 Sv/h.
- Calibration accuracy: ±5% of the reading in 3 mSv/h Cs-137 exposure at +20°C.
- 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 µSv - 10 Sv
- dose rate measurement range*: 0.1 mSv/h - 10 Sv/h
- calibration accuracy: ±5% of the reading in 3 mSv/h ¹³⁷Cs exposure at +20°C (68°F)
- energy response: ±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 µSv - 10 Sv
- dose rate measurement range*: 0.05 µSv/h - 100 mSv/h
- calibration accuracy: ±5% of the reading in 300 µSv/h ¹³⁷Cs exposure at +20°C (68°F)
- energy response: ±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)



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