

## External Probes For RADOS Survey Meters



These External Probes enhance the detection capability of the RADOS RDS-110 and RDS-200 survey meters.

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

The GMP-11/15 probe is intended for monitoring alpha, beta, gamma and X-ray radiation. The GMP-11/15 is used as an external probe for the Multi-Purpose Survey Meter RDS-110 and Universal Survey Meter RDS-200. The GMP-11/15 probe is connected to an external lockable connector interface at the bottom of the RDS-110/200.

The GMP-12H and GMP-12L probes are intended for monitoring gamma and X-ray radiation. They can be used as external probes for the RDS-110 and RDS-200 Survey Meters. The GMP-12H and GMP-12L probes are connected to an external 6-pin lockable connector interface at the bottom of the RDS-meters.

All the probes can be used as hand-held or as fixed probes.



### FEATURES

- compatible with RADOS RDS-110 & RDS-200 meters
- remote dose rate measurements
- converts the meter into contamination monitor
- sensitive for low levels of alpha, beta and gamma radiation
- for general contamination and frisking
- optional telescopic rod
- cord lengths up to 15 meters upon request

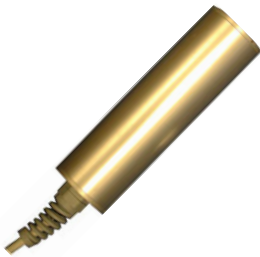
## TECHNICAL SPECIFICATIONS:

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



- radiation detected: gamma and x-rays, according to ambient dose equivalent  $H^*(10)$
- energy range: 80 keV - 1. MeV
- detector type: halogen quenched, energy compensated GM tube (type ZP 1304 or equivalent)
- dose measurement range\*: 1  $\mu$ 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  $^{137}\text{Cs}$  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)
- \* RDS-110 displays dose only up to 1 Sv

### GMP-12 L 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  $\mu$ Sv - 10 Sv
- dose rate measurement range\*: 0.05  $\mu$ Sv/h - 100 mSv/h
- calibration accuracy:  $\pm 5\%$  of the reading in 300  $\mu$ Sv/h  $^{137}\text{Cs}$  exposure at +20°C (68°F)
- energy response:  $\pm 30\%$  over energy range 50 keV - 1.3 MeV, (+95% at 6 MeV)
- 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)

### GMP-15 External «Pancake» Beta Probe



- radiation detected: Gamma-, beta- and alpha-rays
- energy range: Gamma > 5 keV, betamax > 100 keV, and alpha > 2 MeV
- detector type: halogen quenched GM tube (type 7312 or equivalent)
- measurement range: 0 - 10 000 cps
- end window active area: 15.5 cm<sup>2</sup> (2.4 in<sup>2</sup>); window thickness: 1.5 - 2 mg/cm<sup>2</sup>
- sensitivity: 2.8 cps for uniform  $^{90}\text{Sr}/^{90}\text{Y}$  source of 0.37 Bq/cm<sup>2</sup>
- retractable cord, length 800 mm - 2500 mm (31.50 in - 98.42 in)
- temperature range: operation: -25°C to +55°C (-13°F to +131°F); storage: -40°C to +70°C (-40°F to +158°F)
- humidity: 0 - 95% relative humidity, non-condensing
- dimensions: 61 x 80 x 20 mm (2.4 x 3.14 x 0.78 in)
- weight: 540 g (1.19 lb)

### GMP-11 External Beta Probe



- radiation detected: gamma-, beta- and alpha-rays
- energy range: gamma > 5 keV, betamax > 100 keV, and alpha > 2 MeV
- detector type: halogen quenched GM tube (type ZP 1430 or equivalent)
- measurement range: 0 - 10 000 cps
- end window active area: 6.1 cm<sup>2</sup> (2.4 in<sup>2</sup>) window thickness 1.5-2 mg/cm<sup>2</sup>
- sensitivity: 1.0 cps for uniform  $^{90}\text{Sr}/^{90}\text{Y}$  source of 0.37 Bq/cm<sup>2</sup>
- retractable cord, length 450 mm - 2000 mm (17.71 in - 78.7 in)
- temperature range: operation: -25°C to +55°C (-13°F to +131°F), storage: -40°C to +70°C (-40°F to +158°F)
- humidity: 0 - 95% relative humidity, non-condensing
- dimensions: length 140 mm (5.51 in), max diameter 44 mm (1.73 in) (two co-centric cylinders)
- weight: 340 g (0.75 lb)

