



EXTERNAL GAMMA PROBES

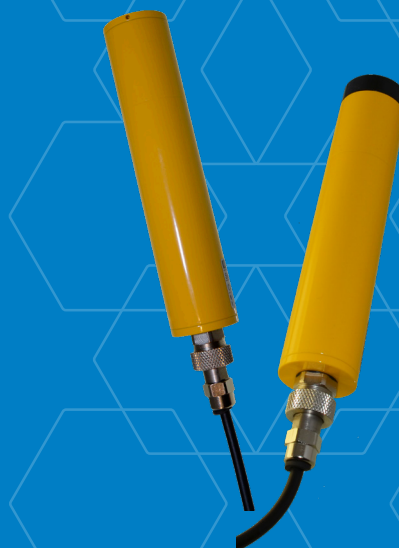
GMP-12SD/UW™

These GMP-12 series gamma probes enhance the detection capability of the RDS-32™ radiation survey meters in high dose environments and under water.

The GMP-12SD/12UW probes are intended for gamma and X-ray radiation. The measured quantity is the $H^*(10)$ ambient dose rate equivalent. The casing with 35 mm diameter enables the probe recalibration with most common calibration units. The probes have been designed to fulfill the most demanding applications in the nuclear industry, HLS & civil defence and industrial use.

The meter recognizes the probe connection and the user can select the appropriate type from the suggestion list. The calibration coefficient for the GMP-12SD/12UW is delivered with the probes. The user can download the coefficient to the RDS-32 meter with the CSW-32™ configuration software.

The high dose tolerance of the GMP-12SD probe and the additional underwater capabilities of GMP-12UW model bring added value to the user.



FEATURES

- ✓ Compatible with all RDS-32™ (and RDS-31) radiation survey meter models
- ✓ Remote dose rate measurements
- ✓ High dose tolerance
- ✓ UW model for underwater applications
- ✓ Optional TELE-GMP™ Telescopic Pole
- ✓ Cord lengths up to 50 meters upon request

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SPECIFICATION

- Radiation detected gamma and X-rays, according to ambient dose equivalent $H^*(10)$
- Silicon PIN diode detector
- IEC energy range 65 keV to 1.5 MeV
- Dose rate measurement range 30 $\mu\text{Sv/h}$ to 10 Sv/h (3 mrem/h to 1000 rem/h)
- IEC dose rate measurement range 0.3 mSv/h to 10 Sv/h (30 mrem/h to 1000 rem/h)
- Dose tolerance >500 Sv (>50000 rem)
- Dose rate linearity -15% to +22% 30 $\mu\text{Sv/h}$ to 10 Sv/h (3 mrem/h to 1000 rem/h)
- Temperature range:
 - operation -40°C to +55°C (-40 °F to 131 °F)
 - storage -40°C to +70°C (-40 °F to 158 °F)
- Enclosure class:
 - GMP-12SD IP67 (short term)
 - GMP-12UW IP68, self-submersing
- Dimensions:
 - GMP-12SD length 177 mm (6.97 in), cylinder diameter 35 mm, (1.38 in) weight 180 g (0.40 lbs)
 - GMP-12UW length 185 mm (7.28 in), cylinder diameter 35 mm (1.38 in), weight 210 g (0.46 lbs) with submersing weight

ORDER GUIDE

- Order references:
 - 1233-286 GMP-12SD
 - 1233-287 GMP-12UW
- Connection cables are ordered separately:
 - 1233-293 coiled 0.7 m -1.6 m
 - 1233-295 straight 20 m
- Longer cable lengths available upon request
- CSW-32 Configuration Software 1233-331
- Combine with any RDS-32 radiation survey meter

ACCESSORIES



The GMP-12 series probes can be used with any RDS-32 survey meters. While used with external probe, the RDS-32 display simultaneously shows dose rate from external and internal detector.



The probes can easily be added to the TELE-GMP Telescopic Pole.

The RDS-32 Alarm Box includes on the side a connector for external probe such as the GMP-12SD Gamma Probe.



MIRION
TECHNOLOGIES

