

GM-41 Gamma Detector

50 uSv/h to 1 Sv/h (5mR/h to 100 R/h)

Radiation Detection Division

Health Physics

The GM-41 detectors are designed to be used with all radiation monitors for measuring gamma radiation for high range measurements. The detector is capable of measuring gamma radiation from 50 uSv/h to 1 Sv/h (5 mR/h to 100 R/h) with a sensitivity of 2 cps/mR/h this detector is perfect for controlling High Rad. Areas

Combined with the special features of our portable instruments or integrated into the WebiSmarts Area and Stack Monitoring system , these detectors make an excellent choice for maintaining the highest safety standards in industrial, medical, research, environmental and public safety applications.

The GM-41 detectors are encased in a rugged, splash proof housing for protection against shock, vibration and humidity



Features

- Unique “electronic” ABC identifier
- Quick Connect connector
- Quick Connect plug

Technical Specifications

| | GM-42 | GM-41 | GM-40 |
|----------------------------|---|--|---|
| GM Tube | ZP1201 | ZP1313 | ZP1301 |
| Measuring Range | 0.5 uSv/h to 10 mSv/h (50 uR/h to 1 R/h) | 50 uSv/h to 1 Sv/h (5mR/h to 100 R/h) | 250 uSv/h to 10 Sv/h (25 mR/h to 1000 R/h) |
| Display Range | 0.05 uSv/h to 10 mSv/h (5 u R/h to 1 R/h) | 2 uSv/h to 1 Sv/h (0.2 mR/h to 100 R/h) | 10 uSv/h to 10 Sv/h (1 mR/h to 1000 R/h) |
| Sensitivity (137Cs) | 1800 cps/mSv/h, (18 cps/mR/h) | 200 cps/mSv/h 2 cps/mR/h | 30 cps/mSv/h (0.3 cps/mR/h) |
| Accuracy | ± 15% of reading within the measuring range | | |
| Energy Range | 50 kev to 1.3 Mev | 50 kev to 1.3 Mev | 50 kev to 1.3 Mev |
| Angular Dependence | Less than 20% for ±45° preferred direction | | |
| Output Signals | TTL Pulses, Detector Status, ID, OK, malfunction, GM saturation | | |
| Temperature Range | Operation: -10°C to +50°C Storage: -20°C to +60°C | | |
| Humidity Range | 40% to 95% RH (non-condensing) | | |
| Dimensions | 197 mm (7.75") length 38 mm (1.5") Diam | 170 mm (6.7") length 38 mm (1.5") Diam | 170 mm (6.7") length 38 mm (1.5") Diam |
| Weight | 250g (0.55 lbs) | 200g (0.44 lbs) | 220g (0.48 lbs) |
| Casing | Aluminum, splash proof | | |
| Max. Cable Length | 100 meters (109 yards) | | |

Ordering Information CAT NO : BAK-1190

ROTEM INDUSTRIES reserves the right to change specifications without advance notice