

WebiSmarts System

Measuring Range: 0.1 uSv/h to 10 mSv/h (0.01 mR/h to 1 R/h)

ROTEM RadMon Area Gamma Detector GM42 (Low Range) PCAT: P5451GP

Radiation Detection Division

The GM-42 Detector is a sensitive low range gamma radiation detector used to measure dose rates in areas where radioactive material is handled such as clean rooms, radio pharmacies, Q.A. Departments packing rooms and backup to the extremely sensitive PM-11 Exhaust Stack Detector.

The GM-42, like all the WebiSmarts detector contains its calibration factor and identifying features, which makes it easy to install and switch with other detectors without any additional setup or preparation.



Features

- Internal calibration factor
- Unique "electronic" identifier
- Quick Connect connector
- Quick Connect plug

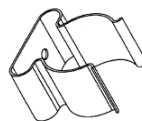
GM-42 Area Gamma Detector

Includes:

GM-42 Detector



Bracket External Detector



Related Products

GM-41 Detector
P5451GF



PM-11 Detector
P5451GN



Neutron Detector
P5451GM



Stack Flow Meter
P5451GQ



Technical Data

| | |
|-----------------------------|--|
| Geiger Type | ZP-1201 or equivalent |
| Measuring Range | 0.1 μ Sv/h to 10 mSv/h (0.01 mR/h to 1 R/h) |
| Sensitivity | 17 cps/mR/h |
| Accuracy | \pm 10% reading within the measuring range |
| Energy Range | 50 keV - 1.3 MeV |
| Energy Dependence | \pm 20% |
| Angular Dependence | Less than \pm 20% for $\pm 45^\circ$ of preferred direction |
| Temperature Range | Operation: -10°C to $+50^\circ\text{C}$ Storage: -20°C to $+60^\circ\text{C}$ |
| Humidity Range | 40% to 95% RH (non condensing) |
| Dimensions: | 197 mm (7.75") Length x 38 mm (1.5") Diameter |
| Weight | 250 gr (0.55 lb) |
| Casing | Aluminium, splash proof |
| Hook-up cable length | up to 100 m |
| Output signals | TTL pulses (5V, 5ms) Detector status logic: Identification, malfunction, overflow |

ROTEM INDUSTRIES reserves the right to change specifications without advance notice