

## WebiSmarts System

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

Area Gamma Detector GM-42 (Low Range) CAT: BAK-2435

### 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

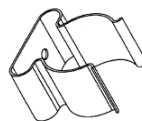
### GM-42 Area Gamma Detector

Includes:

*GM-42 Detector*  
BAK-1210



*Bracket External Detector*  
BAK-1200



## Related Products

**GM-41 Detector**  
BAK-1190



**PM-11 Detector**  
BAK-1510



**Neutron Detector**  
BAK-1290



**Stack Flow Meter**  
BAK-1151



## Technical Data

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

ROTEM INDUSTRIES reserves the right to change specifications without advance notice