

## WebiSmarts System

Measuring Range: 1 uSv/h to 1 Sv/h (0.1 mR/h to 100 R/h)

Area Gamma GM-41 Detector (High Range) CAT: BAK-2436

### Radiation Detection Division

The GM-41 Detector is a high range gamma radiation detector used to measure dose rates in relatively “hot” areas such as inside an unshielded Cyclotron Bunker and inside Hot cells.

The GM-41, 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 plug

### Related Products

**GM-42 Detector**  
BAK-1210



**PM-11M Detector**  
BAK-1510



**Neutron Detector**  
BAK-1290



**Stack Flow Meter**  
BAK-1151



## The GM-41 Area Gamma Detector

*Includes:*

*GM-41 Detector  
BAK-1190*



*Bracket External Detector  
BAK-1200*



<b>Geiger Type</b>	ZP-1313 or equivalent
<b>Measuring Range</b>	1 uSv/h – 1 Sv/h (0.1 mR/h – 100 R/h)
<b>Sensitivity</b>	1.7 cps/mR/h
<b>Accuracy</b>	± 10% reading within the measuring range
<b>Energy Range</b>	50 keV - 1.3 MeV
<b>Energy Dependence</b>	± 15%
<b>Angular Dependence</b>	Less than ± 20% for ±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>	170 mm (6.7") Length x 38 mm (1.5") Diameter
<b>Weight</b>	200 gr (0.44 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

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