

# GM-40 Gamma Detector

250 uSv/h to 10 Sv/h (25 mR/h to 1000 R/h)



## Radiation Detection Division

### Health Physics

The GM-40 detectors are designed to be used with all radiation monitors for measuring gamma radiation for very high range measurements. The detector is capable of measuring gamma radiation from 250 uSv/h to 10 Sv/h (25 mR/h to 1000 R/h) with a sensitivity of 0.3 cps/mR/h this detector is perfect for controlling very 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-40 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
<b>GM Tube</b>	ZP1201	ZP1313	ZP1301
<b>Measuring Range</b>	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)
<b>Display Range</b>	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)
<b>Sensitivity (137Cs)</b>	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)
<b>Accuracy</b>	± 15% of reading within the measuring range		
<b>Energy Range</b>	50 kev to 1.3 Mev	50 kev to 1.3 Mev	50 kev to 1.3 Mev
<b>Angular Dependence</b>	Less than 20% for ±45° preferred direction		
<b>Output Signals</b>	TTL Pulses, Detector Status, ID, OK, malfunction, GM saturation		
<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 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
<b>Weight</b>	250g (0.55 lbs)	200g (0.44 lbs)	220g (0.48 lbs)
<b>Casing</b>	Aluminum, splash proof		
<b>Max. Cable Length</b>	100 meters (109 yards)		

Ordering Information CAT NO : BAK-1180

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