

Using a well proven, high sensitivity Caesium Iodide detector and compact PMT the Nemo gives a very rapid response for its discreet size, making it an invaluable tool for finding (or avoiding) Gamma radiation sources.

Nemo's simplicity makes it ideal for non-technical personnel to use. When Gamma radiation is detected, Nemo displays a number from 1 to 9 and gives a loud audible alarm (or vibrates). The numbers 1 to 9 represent nine preset alarm levels.

Although Nemo is a stand alone device, an infra red PC communication port comes as standard for viewing alarm events.

FEATURES

- High sensitivity
- Low cost
- Faster than 1 second response
- Simple to use and understand
- Compact and discreet
- Audio or vibration alarm
- Bright LED display
- Weather proof
- Belt clip and protective pouch
- Infra red port for PC communication



A source can be located or avoided by responding to the change in alarm and number displayed as the distance to the source decreases.

Unlike other instruments the Nemo continuously self checks, monitoring battery level, count data integrity and detector voltage for reliable trouble free use. Low power consumption achieves long battery life from standard AA cells and a non-volatile memory assures that no logged data is lost while batteries are changed.

Nemo is designed to meet IAEA recommendations for Gamma radiation monitoring at borders.

APPLICATIONS

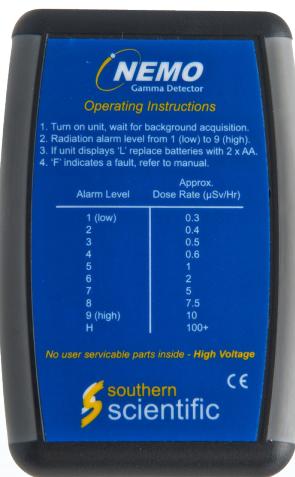
- Customs and border security
- First Responders / Emergency Services
- Military / Security Services
- Airports and building security
- Event security



SPECIFICATION

CsI Detector	38 x 13 mm Ø
Response Time	<1 s
Range (Typ.)	0 to 100 μ Sv/hr with over range response
Over Range Response	LED shows 'H' above 100 μ Sv/hr while audio or vibration alarm continues
Indications	Audio and vibrate alarm, and LED display showing a number from 1 to 9 corresponding to preset levels (see example below)
Alarms	85 Db sounder inside. Alarm rate changes for each alarm level (adjustable via PC interface). Vibration alarm for silent operation
Calibration	Self calibrates upon turn on, then continuously self tests

Background	Measured at switch on and automatically subtracted thereafter. In the event that background decreases Nemo will automatically adjust
Power Supply	2x AA batteries giving approx. 100 hours of normal use
Controls	On / Off / Mute switch
Environment	IP 55, weather proof, operates from -25°C to +50°C
Dimensions	117 x 79 x 24 mm
Weight	200g
PC Communication	Infra Red port (RS232)
Software	Runs under MS windows. Shows real time count rate, configuration and event log. Can be used to change configuration and perform testing. Nemo records alarm history





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.