

Digilert 100

a B y X 

The Digilert 100 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of counts per minute (CPM) or mR/hr, or in accumulated counts. A red LED flashes and beeper sounds with each count detected and when the radiation reaches a user set alert level. The Xtreme Boot (shown right) offers maximum performance in a lightweight rugged solution for using your survey meter in the field. The Xtreme Boot is designed specifically for individuals operating in tough environments, such as 1st Responders, Mining and HAZMAT crews.



Detector

Halogen-quenched GM tube with mica end window. Mica window density 1.5-2.0 mg/cm². Effective window diameter is .360 inch. Side wall is .012 inch thick.

Display

4-digit liquid crystal display with mode indicators. Display updates every 60 sec.

Operating Range

mR/hr - .001 (1μR) to 100 mR/hr CPM - 0 to 350,000
μSv/hr - .01 to 1000 CPS - 0 to 5000
Total/ Timer - 1 to 9,999,000 counts

Gamma Sensitivity

1000 CPM/mR/hr referenced to Cs-137.

Accuracy

±10% typical (NIST), ±15% maximum.

Energy Sensitivity

Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV is greater than 80%.

Detects beta at 50 keV with typical 35% detection efficiency.

Detects beta at 150 keV with typical 75% detection efficiency.

Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the case. Normal background is 5-20 CPM.

Outputs

Dual miniature jack sends counts to CMOS-compatible devices.

Submini jack provides audio output.

Temperature Range

-10°C to 50°C (14°F to 122°F)

Power

One 9-volt alkaline battery. Battery life is typically 2000 hours at normal background radiation levels.

Includes

Xtreme Boot, CE Certification

Weight

117 grams (6.5 oz.) without battery.

Warranty

1 year limited, 90 day Warranty on GM Detector.



ACTUAL SIZE



RADIATION[®]
A • L • E • R • T
QUALITY HANDHELD DETECTORS



Rear view with open door to GM window



Thank you for reading this data sheet.

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



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 600030

Email: sales@keison.co.uk

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