The Digilert 200 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of counts per minute (CPM), CPS, µSv/hr, mR/hr, or in accumulated counts. Now with USB and the included Observer USB Software, you can download your accumulated data from the Digilert200’s internal memory, set alarms, and calibrate your instrument!

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

Operating Range
- mR/hr - .001 (1µR) to 200 mR/hr
- µSv/hr - .01 to 2000
- CPM - 0 to 214,000
- CPS - 0 to 3575
- Total/ Timer - 1 to 9,999,000 counts

Accuracy
±10% typical (NIST), Typically ±15% of reading.

Energy Sensitivity
1070 CPM/mR/hr referenced to Cs¹³⁷
- 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.
Display
Backlit 4-digit liquid crystal display with mode indicators.
Display updates every 3 seconds.

Count Light
Red LED flashes with each count.

Audio Indicator
Sounds with each count (can be switched off for silent operation)

Alarm
Pulsating beeper sounds the alarm. Three separate adjustable alert levels are used for mR/hr, CPM, µSv/hr, and CPS.

Outputs
Dual miniature jack sends counts to CMOS-compatible devices, including computers, data loggers, and educational data collection systems.

USB for use with Observer USB Software for PCs

Anti-Saturation
Readout will hold at full scale in radiation fields as high as 100 times the maximum reading.

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

Temperature Range
-10° to +50°C (14° to 122°F)

Weight
217 g (7.7 oz.)

Size
150 x 80 x 31 mm (6.1 x 3.1 x 1.2 in.)

Options
Xtreme Boot & Stand

Limited Warranty
1 year limited warranty

Utility Menu
The Utility Menu offers several options accessible by holding down the + button while turning the instrument on.
- 3 second (fast response)
- Switches from mR/hr and CPM to µSv/hr and CPS
- Reset the cal factor to 100.
- Adjust the CAL factor.
- Reset all setting to default factory setting.