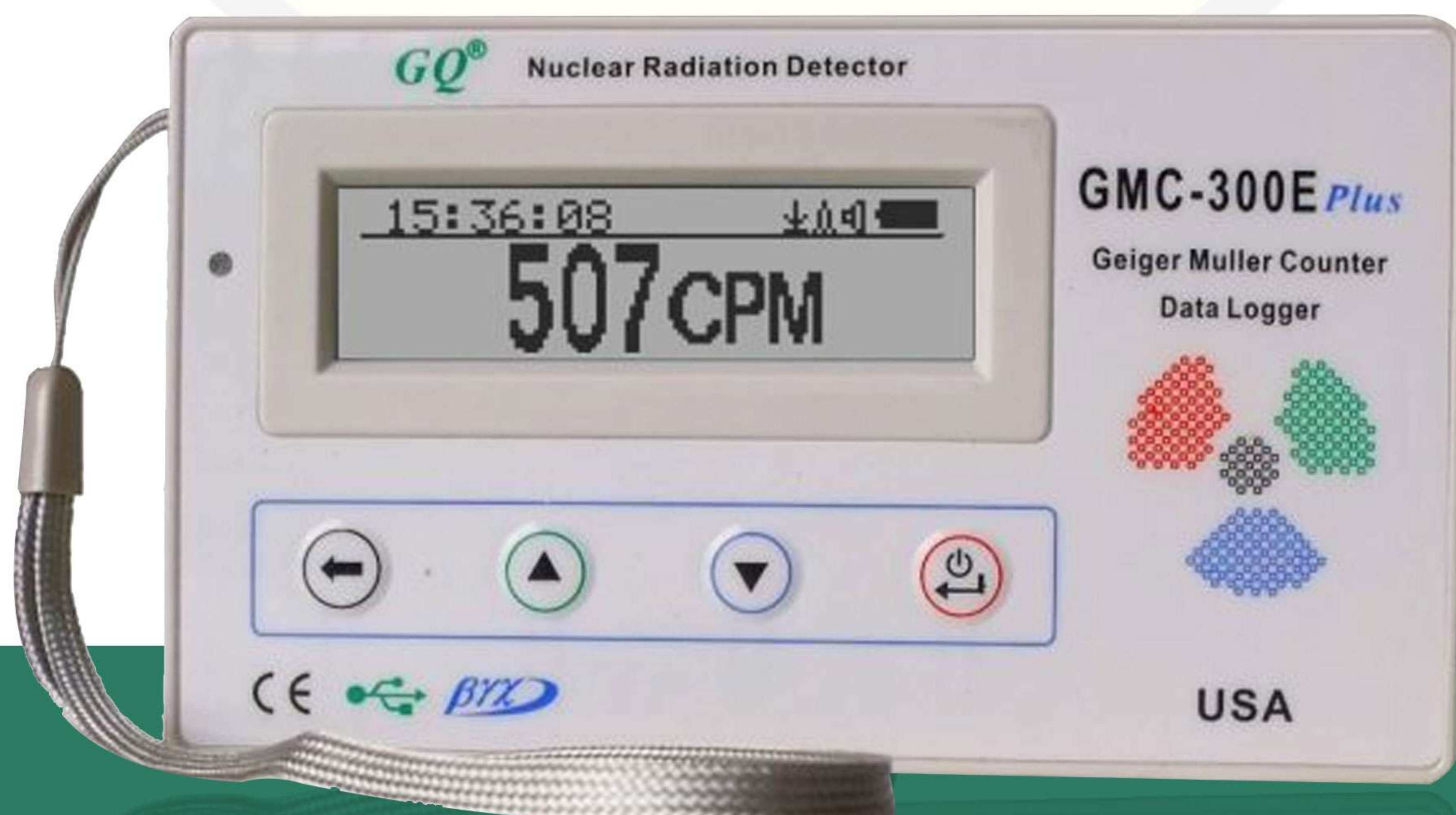


# GQ GMC 300E Plus Nuclear Radiation Monitor

GQ GMC 300E Plus Nuclear radiation monitor is a portable Geiger Counter with built-in audible and visual signals for the level of radiation detected. It can be used for nuclear contamination monitor and monitoring both indoor and outdoor and other similar environments. It features automatic data recording and can continually monitor the radiation and log the data each second into internal memory.

## Features:








- | Small, portable hand-held nuclear contamination monitor
- | The audio and visual indication for nuclear radiation detections
- | Dot-matrix LCD digital display model with backlight
- | USB Data port for connection with computer/PC/laptop GQ Soft Geiger Counter software
- | USB DC input port for external power input, so that continually monitoring becomes possible
- | The powerful counter circuit is capable of handling counting upto 65,535 CPM (Count Per Minute)
- | High sensitivity tube M4011 installed (user can remove this tube install other tubes if needed)
- | On-board real-time clock
- | On-board flash memory for history data records





## Specifications

|   |  |
|---|--|
| Manufacturer                            | GQ Electronics                           |
| Model                                   | GMC-300E Plus                            |
| Power supply                            | 9V battery or DC power adapter operation |
| Radiation detection                     | Beta, Gamma, and X-Ray                   |
| Sensitivity to Gamma Radiation          | 0.1 to 1 MeV                             |
| Working Voltage                         | 6 to 9V                                  |
| Working power                           | 0.045W - 0.2W                            |
| Range of dose rate indications          | 0.00 to 327.99 $\mu$ Sv/h                |
| Range of exposure dose rate indications | 0.00 to 32.99mRem/h                      |
| Range of gamma radiation energy         | 0.1 to 1.25MeV                           |
| beta radiation energy                   | 0.25 to 3.5MeV                           |
| gamma radiation energy                  | 0.1 to 1.25MeV                           |
| Dimension                               | 5'x2.85'x1'                              |

| Model                        | GMC-300E<br>+V4<br> | GMC-320<br>+V4<br> | GMC-320<br>+V5<br>V5 WiFi Ready<br> | GMC-500<br> | GMC-500+<br> | GMC-600+<br> | GMC-510<br> |
|------------------------------|--|---|--|--|---|---|--|
| Geiger Tube Installed        | M4011  | One   | One  | One  | Two   | LND 7317  | M4011  |
| Radiation detected           | Beta, Gamma, X-Rays  | Beta, Gamma, X-Rays   | Beta, Gamma, X-Rays  | Beta, Gamma, X-Rays  | Beta, Gamma, X-Rays   | Alpha, Beta, Gamma, X-Rays  | Beta, Gamma, X-Rays  |
| LCD Display Size             | 128x32   | 128x32  | 128x32   | 128x64   | 128x64  | 128x64  | 128x64   |
| Battery                      | 3.7V Li-Ion AA(14500)  | 3.7V Li-Ion AA(14500)   | 3.7V Li-Ion AA(14500)  | 3.7V Li-Ion 18650  | 3.7V Li-Ion 18650   | 3.7V Li-Ion 18650   | 3.7V Li-Ion 18650  |
| LED Indicator                | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Audio Data Port              | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| USB Data Port                | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Mini USB Cable               | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Internal Flash Memory        | 64 KB  | 1 MB  | 1MB  | 1MB  | 1MB   | 1MB   | 1MB  |
| Internal Data Logger         | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Real-Time Clock              | Yes  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Electronic Gyroscope         |  | Yes   | Yes  | Yes  | Yes   | Yes   | Yes  |
| Temperature Sensor           |  | Yes   | Yes  |  |   |   |  |
| WiFi Module                  |  |   | Yes  | Yes  | Yes   | Yes   | Yes  |
| GPS module on board          |  |   |  |  |   |   | Yes  |
| GPRS (Cell phone network)    |  |   |  |  |   |   | Yes  |
| GSM SIM Card Slot            |  |   |  |  |   |   | Yes  |
| GPS Tracking on cell phone   |  |   |  |  |   |   | Yes  |
| Precision Temperature Sensor |  |   |  |  |   |   | Yes  |
| Air Pressure Sensor          |  |   |  |  |   |   | Yes  |
| Humidity sensor              |  |   |  |  |   |   | Yes  |

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