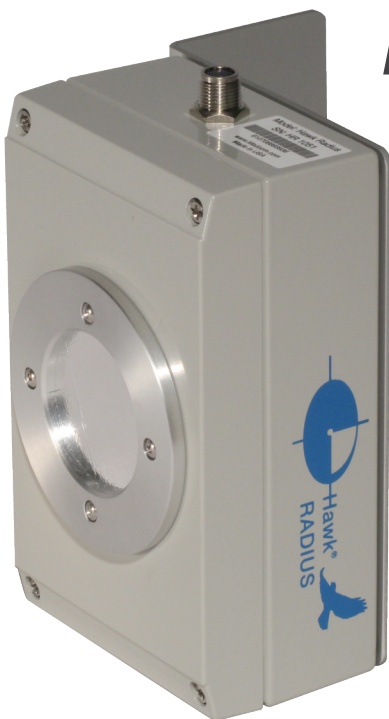




ALPHA, BETA, GAMMA & X-RADIATION

Hawk® Radius Environmental Radiation Probe

For Radiation Safety & Security



- For indoor or outdoor environments
- Ruggedized for challenging environments
- Two sensor system: weatherized pancake plus EC GM
- Detects Noble Gases including Xe-133, Kr-85
- Energy-compensated detector for penetrating Gamma
- Compatible with all major data loggers & Hawk® EMS
- Numerous data communications options
- Share data in open or closed networks
- Field deployable or fixed location use
- Waterproof
- Extremely low power consumption
- Easy to install and operate
- Customizable for wireless data networks
- Can be powered by small Solar panel

Applications

- Community Security
- Perimeter Security at Events
- Facility Security
- Compliance Monitoring
- Public Health Protection

For more information contact:
IMI - International Medcom, Inc.
orders@medcom.com
707-823-0336
www.medcom.com



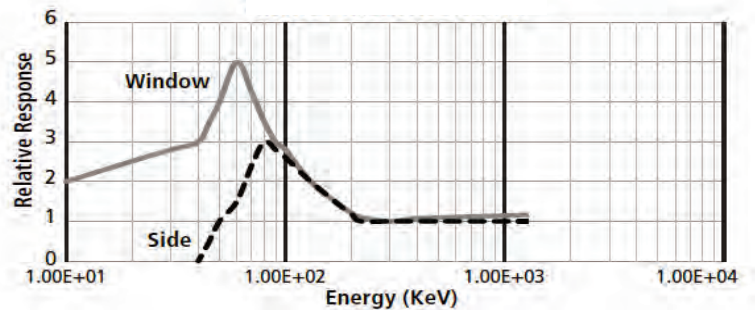


Hawk[®] Radius Probe Specifications

Energy Response Curves

Detector 1

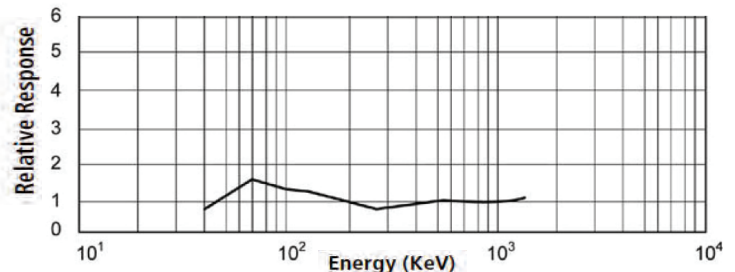
- Halogen-quenched "pancake" Geiger-Mueller tube (LND 73126). Effective diameter 1.75" (45 mm). Mica window density 1.5-2.0 mg/cm².
- Gamma Sensitivity: 3340 CPM/mR/hr (Cs-137)
- Typical Beta Efficiency (for 4π at contact):
 - 14C: 49 keV avg., 156 keV max., 5.3%
 - 210Bi: 390 keV avg., 1.2 MeV max., 32%
 - 90Sr: 546 keV avg., 2.3 MeV max., 38%
 - 32P: 693 keV avg., 1.7 MeV max., 33%
- Optional Window Shield: NCR2/2 Mylar laminated to a copper beryllium screen.



Detector 1

Detector 2

- Halogen-quenched energy compensated Geiger-Mueller tube (LND 7128).
- Gamma Sensitivity: 1000 CPM/mR/hr (Cs-137)



Detector 2

- Temperature Range: -40° to 75°C (-40° to 167°F)
- Power Requirement: 3.8 to 30 V DC, momentary overload protection to 60V for automotive
- Current Drain: <1 mA (typical) to 25 mA (max) @ 12 V DC
- Lightning Surge Protection: 5000W pk, 10/1000us waveform
- ESD Protection: up to 15 KV air, 8KV contact
- Size (L x W x H): 6.3" x 3.9" x 2.6" (160 mm x 100 mm x 68 mm). Connector adds 0.6" to length.
- Probe Weight: 21.1 oz. (599 gr.) With Bracket: 25.6 oz. (726 gr.)
- Probe Housing: Aluminum. Water resistant. IP-67
- Cable: Waterproof. RFI-shielded. UV-resistant jacket. 10 meter length. Other lengths available.
- Connector: M12 Euro. Waterproof IP-67. RFI-shielded.
- Computer Interface: Optional cable with RS-232 or USB 2.0 interface.
- Options & Accessories: replacement window shield, window screen w/o mylar, RS-232 or USB-2.0 cable kit, quick-release pole-mount adaptor, USB data acquisition adapter, calibration fixture, Solar panel, batteries, wireless communications modules