Introducing...

The Market's Most Sensitive Miniature Radiological Warning Device.

- **Fast Acting** - Alarms in 2 to 4 seconds of source presence.
- **Sensitive** - 5 mR/h or greater triggers the alarms.
- **Economical** - A low cost / high value solution for exponentially expanding your detection capabilities.
- **Discrete** - Fits easily almost anywhere. 25mm x 39mm x 12mm; 13g or, 1" x 1.5" x 0.475"; 1/2oz.
- **Rugged** - A durable clamp that you just can't shake. Exceeds drop test requirements of ANSI 13.27.
- **Simple** - Audible alarm. And, the bright LED alerts in inaudible environments.
- **Certified** - CE. NCRP. EMC. NIST. ANSI. And, each unit is tested by a Doctor of Physics.

Actual Size

Imagine creating an instant, economical, roving web of radiation detection throughout your community using a miniature device that is carried effortlessly by each public safety professional and first responder on every patrol, event, traffic stop, 911 call, rail accident and overturned truck of unknown origin. Here is an opportunity to enhance your community's radiation detection capabilities infinitely. This device, called K8, is already in use with CHiPs, Colorado and New Mexico State Police, and Las Vegas Fire and Rescue. Simple to understand and maintain, K8 will help detect, inform and mobilize your radiological experts faster, reducing harmful exposure. Standing apart from the much slower, less sensitive Geiger-Muller (gas tube) key chain detectors, K8 uses solid state technology to immediately identify radiation presence, sensing and blinking at each radioactive particle and alarming both audibly and visibly in a few seconds at 5 mR/h. Each unit is tested by a physicist, CE approved, made in the USA, less than 1 ounce and hands free.

About K8

Dr. Sam Hsu helped pioneer solid state dosimetry with his first invention, patented in 1980. Since then, he has developed numerous variants including underwater detectors, and area and portable monitors. Tens of thousands of dosimeters and many real-time radiological access control systems have been designed by Dr. Hsu for customers on almost every continent. His dosimetry products once held 90% of the solid state market share in the US.

In 2002, Dr. Hsu developed K8, a miniature radiation detection device ideal for all day personal carry. Thousands of K8s have been sold worldwide to law enforcement, first responders, hospitals, schools, national laboratories and private citizens. Due to K8's innovative concept, Dr. Sam Hsu was invited as a keynote speaker by the NATO Advanced Research Workshop in Warsaw, Poland.

K8 COMMUNITY
Safe Communities

-Over-

K8 Community
42 Water Street Box 215 Guilford, CT 06437-0215
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Features, Specifications & Operation

Applications

- Homeland Security
- First Responders
- Event/Private Security
- Package Handlers
- Nuclear Medicine
- Personal Radiation Indicator
- Dirty Bomb Detector
- And many more…

Features

- CE Agency approved.
- Meets NCRP Guidance & Recommendations for Management of Terrorist Events.
- Detects very small amounts of radioactive materials.
- Meets EMC Directive Standards.
- Capable of detecting low levels of radiation.
- Protects against unexpected exposure to radioactive sources.
- Tested by using NIST traceable sources.

Operation

Slide power switch to 'I'. The unit is now actively detecting.

Green flash - The device is detecting radiation particles (5 to 10 minutes between flashes is normal).

Yellow flash - Change the battery (12 hour warning).

Red flash - 5 mR/h (50 µSv/h) or more radiation is present.

Alarm Sounds - 5 mR/h (50 µSv/h) or more radiation is present.

Specifications

Detector	Si-detector
Detects	X & Gamma; 30 keV - 6.2 MeV
Alarm Volume	Continuous Beeps @ 100 Sv/h
Battery	One standard CR2032 battery with ~1500h (60 days) continuous use battery life is included
Temp./Humidity	Operational between -20°C to +50°C, >95%
Ruggedness	Exceeds drop test requirements of ANSI 13.27
Enclosure	High impact plastic housing and clip

Keep at minimum of 20 cm away from microwave, cellular phone, etc. Drops may cause false signals.

Made in the USA. One year limited warranty. (All specifications subject to change without notice).

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