

# Introducing ONYX®

*For Radiation Safety and Security*



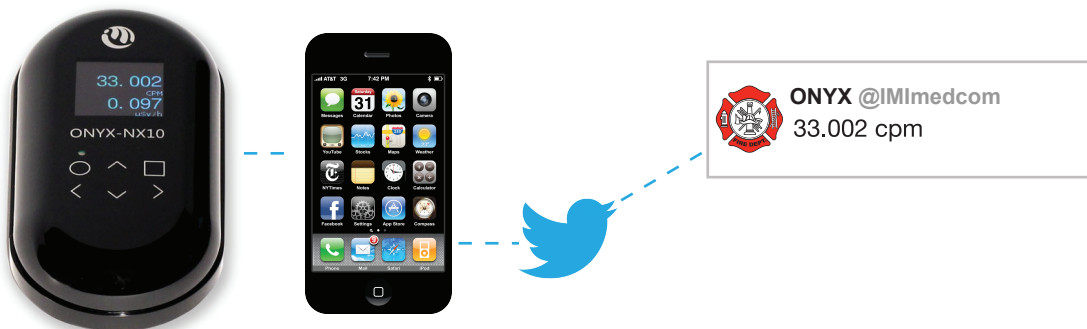
- Smallest radiation detector in its class
- Detects Alpha, Beta, Gamma and X-radiation
- Pancake detector for surface contamination
- Can be used for general survey applications
- Stores and shares data rapidly

*Weighs less than 1/2 lb!*



## Sharing Radiation Data Just Got Easier!

Push radiation data to the cloud with your smartphone



For more informaton contact:

IMI - International Medcom, Inc.

orders@medcom.com

707-823-0336

[www.medcom.com](http://www.medcom.com)

**Touchboards**

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## Specifications

<b>Detector</b>	LND 7317 "Pancake" Halogen-Quenched Geiger-Mueller tube; Effective diameter 1.75" (45 mm); Mica window density 1.5-2.0 mg/cm <sup>2</sup> ; Detects Alpha, Beta, Gamma and X-radiation		
<b>Display</b>	128x128 color OLED (Organic Light Emitting Diode)		
<b>Operating Range</b>	μSv/hr: .000 to 1,000 mR/hr: .000 to 100 CPM: 0 to 350,000		
<b>Calibration</b>	Cesium-137 (gamma from daughter metastable Barium)		
<b>Gamma Sensitivity</b>	334 CPM per μSv/hr (3340 CPM per mR/hr) referenced to Cs-137		
<b>Efficiencies</b>	<b>For 2 pi Geometry (typical Efficiencies, primary emissions noted)</b>		
	<b>Isotopes</b>	<b>Energy</b>	<b>Efficiency</b>
	Pu - 239	5.245 MeV (alpha primarily)	20 to 36%
	Th - 230	4.621 MeV (alpha)	16 to 36%
	SrY-90	546 keV avg, 2.3 MeV max (beta)	48%
	Cs - 137	Betas (-) 5.6 % - 1,176 keV max (416.3 keV average) 94.4% - 514 keV max (174 keV average)  Gamma 661 keV (released by Ba-137m)	48%
	Tc - 99	294 keV beta	48 to 56%
<b>Accuracy</b>	+/- 10% typical, +/- 15% maximum		
<b>Alert Range</b>	0 to 99,999 CPM; Beeper sounds alert when warning level feature is activated		
<b>Average</b>	Accumulate/Average feature builds average over time when activated		
<b>Count Light</b>	Red LED flashes with each count		
<b>Audio</b>	Beeper chirps for each count when Geiger Beep function is activated		
<b>Ports</b>	Output: 3.5 mm jack sends pulses to Safecast iPhone application		
<b>Anti-Saturation</b>	Readout holds at full scale in fields up to 100 times the maximum reading		
<b>Temperature Range</b>	-20 to +50 C, -4 to +122 F		
<b>Power</b>	One 3.7 V Lithium Ion battery		
<b>Size</b>	130 X 660 X 230 mm (5.1 X 2.6 X 0.9 inches)		
<b>Weight</b>	200 grams (7 oz) including battery		
<b>Options</b>	USB cable, charger and carrying case available		
<b>Certifications</b>	CE Certified: Emissions: EN 55011:2009 +A1:2010 (Class B emissions limits); EN: 61000-4-2:1995 (ESD); EN 61000-4-3:1997. RoHs Compliant; Meets WEEE Standards		