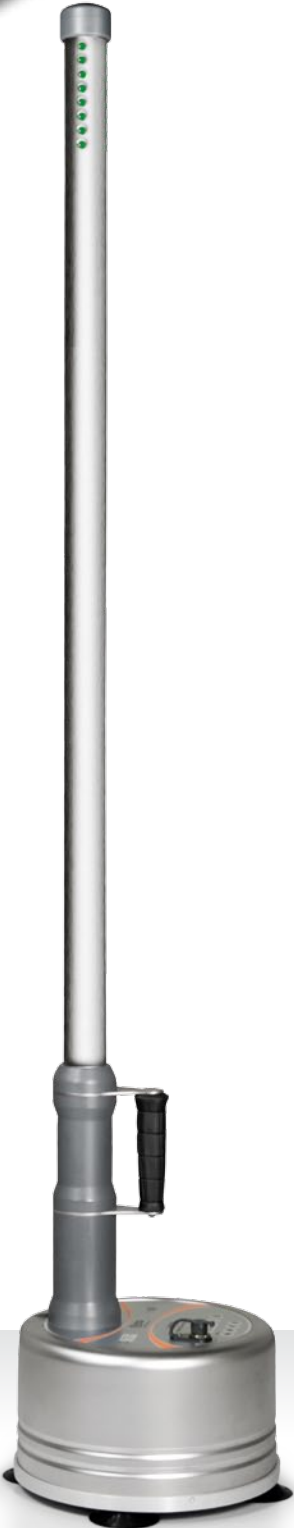




# MSD *Magneto Static Detector*

ONE-PIECE, PORTABLE AND FULL-HEIGHT FERROMAGNETIC DETECTOR



- Detection of all devices containing magnetized parts [cell phones, radio transceiver, receivers, etc.]
- Detection of ferromagnetic items
- No assembly operations required: immediately ready for use
- Unmatched capability of use in different environments
- Quick response
- Robust AISI 3xx stainless steel construction
- Waterproof

**✓ One-piece, compact and lightweight design**

*The one-piece design allows the CEIA MSD to be easily transported and operational in a very short time.*



[www.ceia-usa.com](http://www.ceia-usa.com)

**Threat Detection through Electromagnetics**

## MSD Magneto Static Detector

Portable Full-Height Ferromagnetic Detector

The illegal use of cell phones is a growing and dangerous problem in correctional institutions worldwide. These devices are a significant threat to prison security and circumvent the monitoring processes in prisons, while helping inmates commit new crimes both inside and outside the facility.

With these locations in mind, the CEIA MSD was specifically designed to detect transmission devices quickly and easily, including cell phones, smart phones, radio transceivers, etc.

### Benefits

- Full-height detection
- Omnidirectional detection
- Non-obstructive
- Fully programmable
- Stand-alone operation
- Embedded long-life rechargeable batteries
- Detection of magnetic static sources and ferromagnetic static metals
- Covert alarm signaling via Bluetooth headset



### Carrying case for personal transport and storage

- Robust and lightweight carry system
- Custom fit to the MSD shape
- Dedicated pocket for accessories
- Space-saving

### Included Parts

MSD Magneto Static Detector unit


Installation kit:

- 4 rubber feet
- 6mm allen key
- Test sample

External AC/DC battery charger adapter

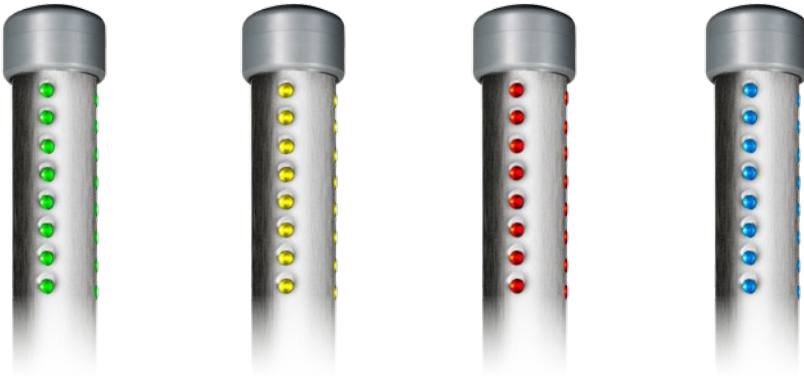
Carrying case



 Carrying case stores all included parts

## Bright multi-color status indicator

The CEIA MSD is a one-piece, portable and full-height ferromagnetic detector that combines high reliability and ergonomics with advanced detection and operator signaling features.



### Green light

Normal operation,  
no detection

### Yellow light

Target detection  
under the alarm  
threshold

### Red light

Continuous light:  
target detection  
over the alarm  
threshold

### Blue light

Autolearn  
procedure/  
connecting  
Bluetooth device  
in progress

## Covert Alarm signaling via Bluetooth headset



Warning indication for signal under  
the alarm threshold, with fixed or  
proportional pitch

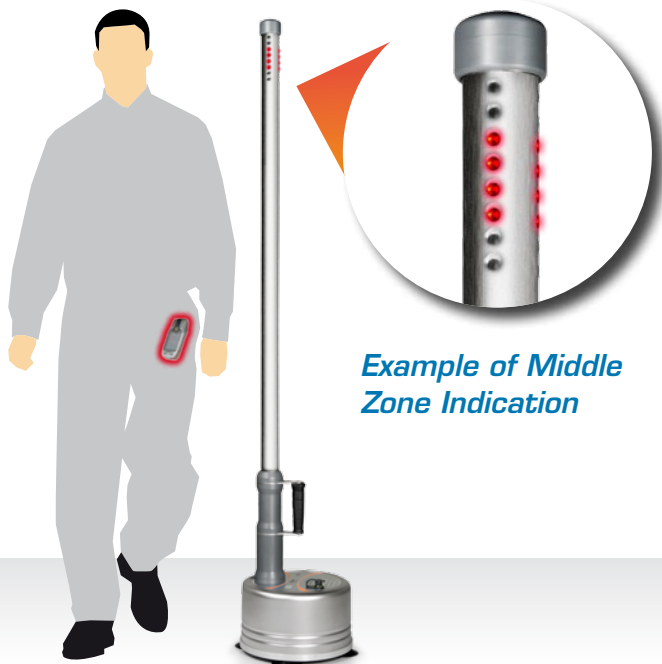
Alarm indication for signal over the  
alarm threshold, with  
fixed or proportional pitch

Warning and alarm indications  
adjustable in continuous/pulsed tone  
and volume

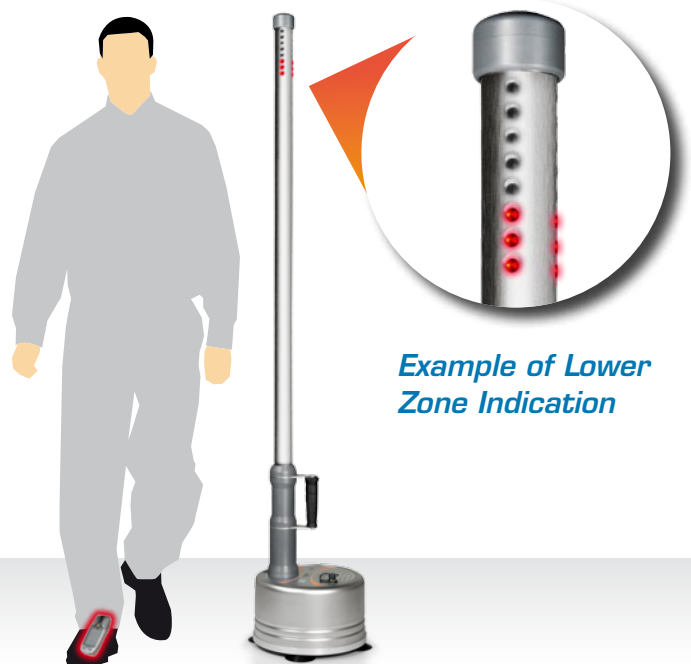
Low battery: double beep

Self-diagnosis alert: intermittent tone

## Multi-zone target indication



Example of Middle  
Zone Indication

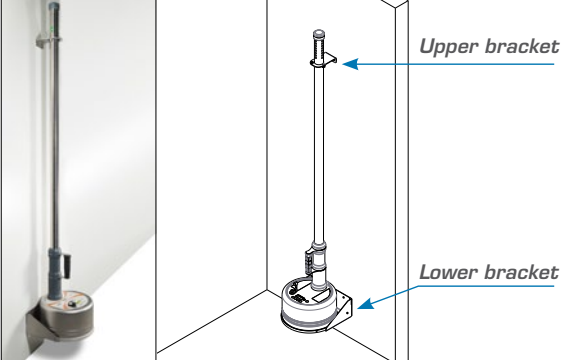


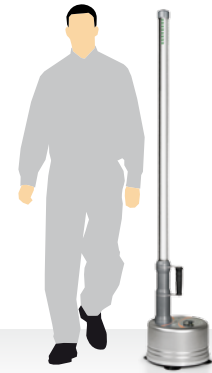
Example of Lower  
Zone Indication

# MSD Magneto Static Detector

## Portable Full-Height Ferromagnetic Detector

### Specifications

CONTROLS AND INDICATORS	ON/OFF push-button	
	4-key keypad, for programming and status readout	
	Security	<ul style="list-style-type: none"> <li>• Programming Access protected by User and Super User password</li> </ul>
	Power indicator	<ul style="list-style-type: none"> <li>• White lamp</li> </ul>
	8 digit alphanumeric display	<ul style="list-style-type: none"> <li>• Messages during use, programming and self-diagnosis alerts</li> </ul>
	Multi-color Status and Alarm indicator	<ul style="list-style-type: none"> <li>• Green light: normal operation, no detection</li> <li>• Yellow light: target detection under the alarm threshold</li> <li>• Red light: - Continuous light: target detection over the alarm threshold</li> <li>- 6 different zone indication</li> <li>- Blinking light: fault</li> <li>• Blue light: autolearn procedure/connecting Bluetooth device in progress</li> </ul>
	Alarm Sounder	<ul style="list-style-type: none"> <li>• Alarm indication for target over the alarm threshold, with fixed or proportional pitch</li> <li>• Warning and alarm indications adjustable in continuous/pulsed tone and volume</li> <li>• Battery low: double beep</li> <li>• Self-diagnosis alert: intermittent tone</li> </ul>
POWER SUPPLY	Consumption	25W
	AC/DC external power adapter	100 ... 240 V~, 47...63Hz
	Embedded rechargeable battery	Up to 18 h of operation with full charge Charging time: ≤ 5 hours
DETECTOR ENVIRONMENTAL CONDITIONS	Working temperature	14 to 149°F
	Storage temperature	-35 to 158°F
	Relative humidity	0 to 95%, non-condensing
DETECTOR WEIGHT	21 lbs	
DETECTOR DEGREE OF PROTECTION	Indoor and Outdoor use	
TRANSPORT	Robust and light Carrying Case (included)	
AVAILABLE ACCESSORIES	Additional Bluetooth headset: part # 61248 (one Bluetooth headset included)	
	Wall mounting kit: part # 62927	
CERTIFICATION AND COMPLIANCE	Compliant with the applicable electromagnetic Standards on Human Exposure and pacemaker safety	
	Compliant with and certified to the applicable International Standards for electrical safety and EMC	

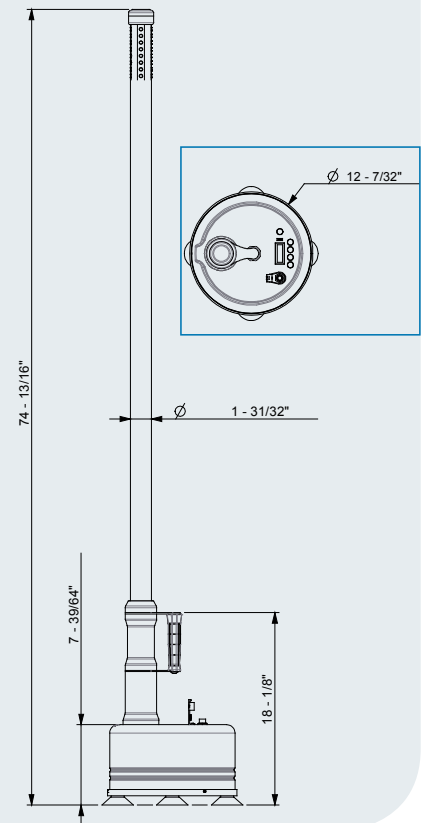


**Pass-by Operation**



**Pass-thru Operation**

### Dimensions



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