Highly Portable Cell Phone Detector

- Detection of all cell phones and other contraband concealed on the person or in body cavities (including keyfob cell phones) with or without batteries
- Multi-Zone targeting indication identifies location of contraband on the body
- Covert operation through use of Bluetooth headset (included)
- Fully weather proof for outdoor use
- 26 hours continuous use on embedded battery operation
- Automatic adjustments offer unmatched detection in all environments
- Extremely durable design
- No assembly required: immediately ready for stand-alone use
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.

CEIA MSD was specifically designed to detect all cell phones and other contraband concealed on the person or in body cavities (including key fob cell phones, smart phones, radio transceivers, etc.) quickly and easily.

Benefits

- Detection of all cell phones and other contraband concealed on the person or in body cavities (including key fob cell phones) with or without batteries
- Detection of magnets and ferromagnetic metals
- Full-height, 360° detection
- 5 individual zones for pinpointing locations of contraband on the body
- Covert operation through use of Bluetooth headset (included)
- Fully weather proof for outdoor use
- Up to 26 hours continuous battery operation with 4.5 hours charge
- One-piece and lightweight design (total weight only 21 lbs with batteries included) easily transportable by one person
- Automatic adjustments offer unmatched detection in all environments
- Extremely durable design using stainless steel and high impact reinforced plastics
- Anti-tip suction cups for securing to smooth floor surfaces (included)
- No assembly required: immediately ready for stand-alone use
- Non-emitting device: safe for use for pace-makers and other medical implants

Carrying case for personal transport and storage

- Heavy-duty 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, 6 mm allen key, Test sample
  - External AC/DC battery charger adapter
  - Carrying case
  - Bluetooth headset

Carrying case stores all included parts
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.

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

**Bright multi-color status indicator**

- **GREEN LIGHT**: Normal operation, no detection.
- **YELLOW LIGHT**: Warning proportional indication: target detection under the alarm threshold.
- **RED LIGHT**: Alarm indication: target detection over the alarm threshold.
- **BLUE LIGHT**: Autolearn automatic adjustment 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 Specifications

#### CONTROLS AND INDICATORS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On/Off push-button</td>
<td>4-key keypad, for programming and status readout</td>
</tr>
<tr>
<td>Security</td>
<td>Programming Access protected by User and Super User password</td>
</tr>
<tr>
<td>Power indicator</td>
<td>White lamp</td>
</tr>
<tr>
<td>Alarm indicator</td>
<td>Green light: normal operation, no detection, Red light: target detection over the alarm threshold, Fault indication</td>
</tr>
<tr>
<td>Graphic display</td>
<td>Messages during use, programming and self-diagnosis alerts</td>
</tr>
<tr>
<td>Multi-color status indicator</td>
<td>Green light: normal operation, no detection, Yellow light: proportional 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, Blinking light: fault</td>
</tr>
</tbody>
</table>

#### POWER SUPPLY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC/DC external power adapter</td>
<td>100 ... 240 V~, 47...63Hz, 40W</td>
</tr>
<tr>
<td>Embedded rechargeable battery</td>
<td>37 h of continuous operation with 3 h battery charge, 26 h of continuous operation with 4.5 h battery charge</td>
</tr>
</tbody>
</table>

#### DETECTOR ENVIRONMENTAL CONDITIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working temperature</td>
<td>-10°C to +65°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-37°C to +70°C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>0 to 95%, non-condensing</td>
</tr>
</tbody>
</table>

#### WEIGHT

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSD:</td>
<td>9.5 kg</td>
</tr>
<tr>
<td>AC/DC adapter:</td>
<td>0.7 Kg</td>
</tr>
<tr>
<td>Carrying case:</td>
<td>0.6 Kg</td>
</tr>
<tr>
<td>Installation kit:</td>
<td>0.3 Kg</td>
</tr>
<tr>
<td>Bluetooth kit:</td>
<td>0.2 kg (includes battery charger)</td>
</tr>
</tbody>
</table>

#### MSD DIMENSIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height:</td>
<td>1900 mm</td>
</tr>
<tr>
<td>Width:</td>
<td>330 mm</td>
</tr>
</tbody>
</table>

#### SHIPPING INFORMATION

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (WxDxH):</td>
<td>400 mm x 2000 mm x 480 mm</td>
</tr>
<tr>
<td>Weight:</td>
<td>24 kg</td>
</tr>
</tbody>
</table>

#### DETECTOR DEGREE OF PROTECTION

- Fully weather proof for outdoor use (IP55)

#### AVAILABLE ACCESSORIES

- Additional Bluetooth headset: ordering code 61248 (one Bluetooth headset included)
- MSD-RRU Remote Relay Unit: ordering code MSD-RRU
- Wall mounting kit: ordering code 67258

#### CERTIFICATION AND COMPLIANCE

- Non-emitting device: safe for use for pace-makers and other medical implants
- Compliant and certified to the applicable electromagnetic Standards on Human Exposure and pacemaker safety
- Compliant with and certified to the applicable International Standards for electrical safety and EMC

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CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale.