

CEIA MSD Portable Cell Phone Ferrous Weapon & Contraband Detector

Product Code: 2030-12

Key Features



Portable, Rapid Deployable



Operational In 10 Seconds



Indication of Location Of Contraband



Detection On Persons & In Body Cavities



Throughput 60+ Per Hour



Waterproof / Dustproof: IP65



Overview

The CEIA MSD Portable Cell Phone Ferrous Weapon & Contraband Detector will detect cell phones and other ferrous contraband concealed on the person or in body cavities, including key fob cell phones, smart phones, radio transceivers, etc.

It provides full-height, 360° detection, both horizontal & vertical with 5 vertical zones for pinpointing locations of contraband on the body or in body cavities.

It can also be used for covert operation through use of BT wireless included headset.

It can be used as a stand-alone single pole, or with the EVO option fitted to two MSD's the pair can cover a 180 cm doorway / opening with constant detection sensitivity from pole to pole. This solution allows the reliable screening of in-mates transiting through a corridor, the surveillance of large transit openings and an extremely accurate investigation of mattresses and other objects that could hide contraband.

Features

Throughput 60+ Per Hour

Detects full range of metals concealed in body cavities

Does not require re-calibration

Battery 26 Hours Continuous Operation

9.5 kg with batteries

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Application

- Airports & Seaports
- Borders
- Conference facilities
- Correctional Facilities
- Courts
- Educational facilities
- Governmental facilities
- Hotels
- Military
- Police
- Prisons
- Public events



Benefits

- Detection of magnets and ferromagnetic metals
- Full-height, 360° detection, horizontal & vertical
- 5 individual zones for pinpointing locations of contraband on the body
- Covert operation through use of BT wireless headset (included)
- Fully weatherproof for outdoor use
- 24 hours typical / 26 hours max. of continuous battery operation with 4.5 hours charge
- One-piece and lightweight design, total weight only 9.5 kg with batteries included
- Easily transportable by one person
- Unmatched detection in all environments without adjustment
- Extremely durable design using stainless steel and high impact reinforced plastics
- Anti-tip suction cups included for securing to smooth floor surfaces
- Non-emitting device: safe for use for pace-makers and other medical implants
- Throughput: 60+ people per minute, based on uninterrupted flow, separately alarms resolution



Specifications

Controls & Indicators

- ON/OFF push-button
- 4-key keypad, for programming and status readout
- Programming of operational parameters and downloading of data logger by smartphone or portable PC

Security

- Password protected programming at User and Supervisor level

Multi Colour Status & Alarm Warning Light

- Green – Normal operation, no alarm
- Yellow – Detection of ferromagnetic object below alarm threshold
- Red – Detection of ferromagnetic object above alarm threshold:
 - Full height alarm indication
 - Indication proportional to signal intensity
 - Alarm indication with 5 different localization zones
 - Full height alarm indication, followed by zonal signalling
 - Blinking light: diagnostics alarm



Blue – Connecting BT wireless device in progress

Alarm Sounder

Alarm indication for target over the alarm threshold:

- Fixed tone
- Tone proportional to signal intensity
- Single pulse for pinpointing target
- Alarm tone can be selected, continuous and intermittent
- Self-diagnostics signal: intermittent tone

BT Headset

- Copies all acoustic indications, with the addition of checking BT connection

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Specifications Contd.

Power supply

- AC/DC external power adapter: 100 to 240v, 47 to 3Hz, 40W
- Embedded rechargeable battery
- 16h typical / 17h max. of continuous operation with 3 h battery charge
- 24h typical / 26h max. of continuous operation with 4.5 h battery charge

Detector Environmental Conditions

- Working temperature: -10°C to +65°C
- Storage temperature: -37°C to +70°C
- Relative humidity: 0 to 95%, non-condensing

Weight

- MSD: 9.5 kg
- AC/DC adapter: 0.7 Kg
- BT wireless communication kit: 0,2 Kg (includes battery charger)
- Carrying case: 0.6 Kg
- Installation kit: 0.3 Kg

MSD Dimensions

- Height: 1,900 mm; Width: 330 mm

Shipping Information

- Dimensions W400 mm x D2,000 mm x H480 mm
- Weight 24 Kg

Protection

- Fully weatherproof for outdoor use (IP65)

Certification & Compliance

- 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

Available Accessories

- EVO function activation; code 88918
- BT wireless audio function activation. Includes a headset with AC/DC charger; code 88919
- MSD-RRU Remote Relay Unit; code MSD-RRU
- App CEIA FMD: the application allows monitoring of the device, adjustment of the settings and downloading of data logger, available on Google Play Store. REQUIREMENTS: Android 7.0 or later, BT interface available
- Solid rubber feet; code 88917
- MSD Demo Kit - Kit of demonstration objects, consisting of: BT wireless headset, Hair pins, Hospital pager, Magnet, Medical scissors, Micro cell phone. Micro smartphone, Needle, Razor blades, Transceiver, Voice recorder; code 89052
- MSD Maintenance Kit: Set of main spare parts and necessary tools; code 89051
- MSD Training Kit: Set of innocuous items tampered creating a concealed space for hiding small size threat objects; code 89054
- MSD EVO™ Connecting: Cable Length 2.7 m; code 95376, Length custom, up to 25 m code 95494
- Standing mat: self-adhesive mat with indication of position and rotation; code 94590



App CEIA FMD



BT Audio Function
activation headset &
charger



MSD Demo Kit