MSD

HIGHLY PORTABLE CELL PHONE, FERROUS WEAPON AND CONTRABAND DETECTOR

- Detection of all cell phones and other ferrous contraband concealed on the person or in body cavities (including keyfob cell phones, smart phones, radio transceivers, etc.)
- Constant Sensitivity across the detection area in pass-through operations
- Multi-Zone targeting indication identifies location of contraband on the body
- Covert operation through use of Bluetooth headset
- Fully weather proof for outdoor use (IP65 certified)
- 26 hours continuous operation
- Unmatched detection in all environments without adjustment
- Extremely durable design
- No assembly required: set-up in less than 10 seconds

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FERROMAGNETIC DIVISION
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 allowing inmates to commit new crimes both inside and outside the facility.

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

The one-piece design allows the MSD to be easily transported and operational in 10 seconds.

**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 Bluetooth headset
- Fully weather proof 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 21 lbs 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 for securing to smooth floor surfaces (included)
- 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)

**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 Ferromagnetic Detector unit
  - Test sample
  - External AC/DC battery charger adapter
  - Carrying case
**MSD EVO™ OPTION**

Even though the MSD is typically used as a stand-alone single pole, the *new MSD Pass-through configuration with EVO option* defines now the possibility to operate on a transit width *up to 51" with constant detection sensitivity from pole to pole*. Moreover, *this new uniform 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.

**MSD EVO™ PASS-THROUGH CONFIGURATION**

The MSD EVO pass-through configuration operates on a transit width *up to 51" with constant detection sensitivity from pole to pole*. Accurate investigation of mattresses and other objects that could hide contraband.

**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 proportional indication: target detection over the alarm threshold.
- **BLUE LIGHT**
  - Connecting Bluetooth device in progress.

**COVERT ALARM SIGNALING VIA BLUETOOTH HEADSET (OPTIONAL)**

- Warning indication for signal under the alarm threshold, with fixed or proportional pitch
- Match each single MSD unit or MSD EVO pass-through gate
- 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
**MSD SPECIFICATIONS**

### CONTROLS AND INDICATORS
- **ON/OFF push-button**
- **4-key keypad**, for programming and status readout

### SECURITY
- Programming Access protected by User and Super User password

### POWER INDICATOR
- White lamp

### GRAPHIC DISPLAY
- Messages during use, programming and self-diagnosis alerts

### MULTI-COLOR STATUS INDICATOR
- **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
  - 5 different zone indication
  - Blinking light: fault
- **BLUE LIGHT**
  - Connecting Bluetooth device in progress

### ALARM SOUNDER
- Alarm indication for target over the alarm threshold, with fixed or proportional pitch
- Warning and alarm indications adjustable in continuous/pulsed tone and volume
- Battery low: double beep
- Self-diagnosis alert: intermittent tone

### BLUETOOTH HEADSET
- Warning indication for target under the alarm threshold, with fixed or proportional pitch
- Alarm indication for target over the alarm threshold, with fixed or proportional pitch
- Warning and alarm indications adjustable in continuous/pulsed tone and volume
- Battery low: double beep
- Diagnosis: intermittent tone

### POWER SUPPLY
- **AC/DC external power adapter**
  - 100 ... 240 V– 47...63Hz, 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** 14° to 149°F
- **Storage temperature** -35° to 158°F
- **Relative humidity** 0 to 95%, non-condensing

### WEIGHT
- MSD: 21 lbs
- AC/DC adapter: 1.6 lbs
- Carrying case: 1.5 lbs
- Installation kit: 0.6 lbs
- Bluetooth kit: 0.5 lbs (includes battery charger)

### MSD DIMENSIONS
- **Height**: 75"
- **Width**: 13"

### SHIPPING INFORMATION
- **Dimensions (WxDxH)**: 16" x 79" x 19"
- **Weight**: 53 lbs

### DETECTOR DEGREE OF PROTECTION
- Fully weather proof for outdoor use (IP65)

### AVAILABLE ACCESSORIES
- EVO function activation: ordering code 88918
- Bluetooth audio function activation, headset and charger: ordering code 88919
- MSD-RRU Remote Relay Unit: ordering code MSD-RRU
- Wall mounting kit: ordering code 4725B
- Solid Rubber feet and tools for uneven floor: ordering code 88917

### 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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