

# SAMD<sup>®</sup>

## SHOE ANALYZER METAL DETECTOR



### KEY FEATURES

- **AUTOMATIC DETECTION OF WEAPONS HIDDEN IN SHOES**
- **HIGH DISCRIMINATION OF SAFETY SHOES**
- **FAST, NON-INTRUSIVE AND EFFECTIVE**
- **INCREASE IN SCREENING THROUGHPUT**
- **EASE OF USE AND ERGONOMIC DESIGN**



*Automatic step-by-step guide*



*Use of the **SAMD Shoe Analyzer** is simple and **stress-free** for both screened individuals and screeners. **Minimal Analysis time.***



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**Threat Detection through Electromagnetics**

# SPECIFICATIONS

<b>OPERATIONAL FEATURES</b>	<b>Technology</b>	Professional high-integration, optimum-reliability electronics D.S.P. analysis with numeric filter of the signal received (patented) High immunity demodulation of the signals Exceptional discrimination
	<b>Signaling</b>	Display of use instructions
	<b>Programmability</b>	Chip card system for direct selection of the operating mode, according to International Security Standards or customer requirements. The use of the card may be protected by password Programmability of all the parameters protected by passwords
	<b>Analysis time</b>	Very fast analysis time for a rapid flow-rate (2 seconds)
	<b>Multiple installations</b>	Automatic synchronization between 2 or more devices with a reciprocal distance of as little as to 3.3ft without the use of cables
	<b>Remote control</b>	Capacity for total remote control through an RS-232C serial line
<b>PROBE</b>	Designed and built using advanced technological criteria, the probe is extremely robust and stable, yet elegant and fully protected against the effects of weather and wear-and-tear	
	<b>Dimensions</b>	W x H x D: 21.5" x 38" x 24" (546 mm x 970 mm x 605 mm)
	<b>Total weight</b>	110 lbs (50 kg)
<b>CONTROL UNIT</b>	Certified / Waterproof / Dustproof: IP66 compliant (IEC 60529)	
<b>ALARM MODES</b>	Detection of metallic masses Sabotage or internal self-diagnosis	
	<b>Type of signaling</b>	Visual: fixed or proportionate to the mass in transit - visible from 20ft under lighting of 4000lux. Audio: programmable up to 90 dB(A) at 3.3ft

## ENVIRONMENTAL DATA

- Power Supply: 100-240 Vac, 50-60 Hz, 40 VA
- Communication capability:
  - ▶ RS-232 serial interface
  - ▶ Ethernet network interface
- Operating temperature: -4°F to 158°F (-20°C to +70°C)
- Storage temperature: -31°F to 158°F (-35°C to +70°C)
- Relative humidity: 0 to 95% (without condensation)

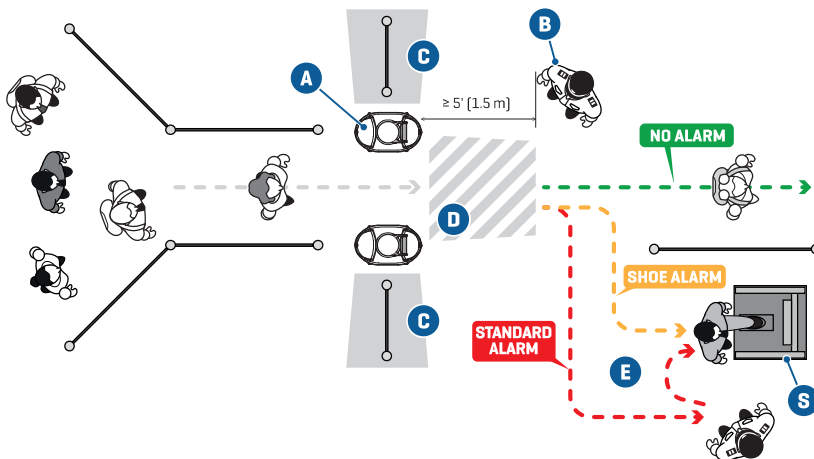
## CERTIFICATIONS & CONFORMITY

- Conforms to all Airport Security Standards worldwide
- Compliant with the applicable electromagnetic Standards on Human Exposure and Pacemaker Safety
- Conforms to the international standards currently applicable for electrical safety and EMC.
- Harmless to magnetic media

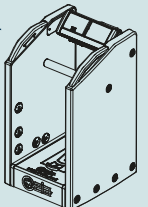
## SECONDARY SCREENING WITH SHOE SCANNER

The following arrangement shows an **improved method of screening** which significantly **simplifies and speeds up operations, as it does not require safety shoes removal**. This arrangement is based on two basic components:

- **Primary inspection with OPENGATE®** which offers the possibility to differentiate alarm coming from the lower zone. Special commands enable this function and manage the alarm signaling.
- The **SAMD (Shoe Analyzer Metal Detector)** which allows a secondary inspection of **people with safety shoes without shoe removal**.



- A** OPENGATE for primary inspection
- B** Screener
- C** No-Transit Area
- D** Keep Path Clear
- E** Secondary Screening Area (Bag Check + SAMD / HHMD)
- S** SAMD Shoe Analyzer Metal Detector



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