

SAMDEX® USA

SHOE SCANNER EXPLOSIVE AND WEAPONS DETECTOR



KEY FEATURES

- **SHOE EXPLOSIVE** detection & **SHOE WEAPONS** detection **INTEGRATED UNIT**
- **CERTIFIED** against relevant detection standards for explosive and metallic threats
- **BULK DETECTION**, based on actual material properties measurement
- **CLEAR “OK/ALARM” RESULT**
- **INCREASED CHECKPOINT THROUGHPUT** by elimination of shoe divestiture and X-ray check
- **INCREASED COMFORT:** passengers keep their shoes on
- **ERGONOMICS:** simple and stress-free use. Easy-to-grip handle for safe use
- **ANALYSIS TIME:** 2.5 sec. typical/shoe
- **NETWORK:** Ethernet connection



GUIDED USE IS PROVIDED
THROUGH PROPER **GRAPHIC ANIMATIONS**



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Threat Detection through Electromagnetics

SAMDEX® USA is the first equipment with double technology for the simultaneous detection of metallic and explosive threats concealed in passenger shoes without the need of divesting shoes.

An automatic step-by-step guide to use of the analyser addresses both the person being inspected and the security inspector via visual and audio messages.

OPERATIONAL SEQUENCE



Position **LEFT FOOT** on the platform and wait until the analysis of the shoe has been completed.



Position **RIGHT FOOT** on the platform and wait until the analysis of the shoe has been completed.



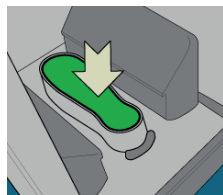
Analysis successfully completed without alarm.
END OF INSPECTION.



SHOE ALARM
Proceed with X-ray inspection of the shoes.

OFV OPERATIONAL FUNCTIONALITY VERIFICATION

The **SAMDEX®** detector provides a step-by-step guided procedure to perform an OFV.



The display asks for the green sample



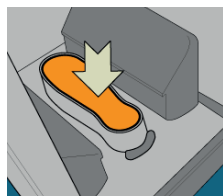
Place the green sample



Remove your hand



Wait for the analysis



The display asks for the orange sample



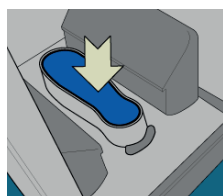
Place the orange sample



Remove your hand



Wait for the analysis



The display asks for the blue sample



Place the blue sample



Remove your hand



OFV successful



EXAMPLES OF USE



Passenger Screening by Walk-Through Metal Detector (**WTMD**), Shoe Scanner (**SAMDEX**) and passenger body control through **PAT-DOWN**



Passenger Screening by passenger body control through Security Scanner (**JANUS**) and Shoe Scanner (**SAMDEX**)



Passenger Screening by Walk-Through Metal Detector (**WTMD**), Shoe Scanner (**SAMDEX**) and passenger body control through Explosive Trace Detector (**ETD**)



SPECIFICATIONS

KEY FEATURES

Designed and built using advanced technological criteria, the detector structure is extremely robust and stable, yet elegant and fully protected against the effects of weather and wear-and-tear

Professional high-integration, optimum-reliability electronics

D.S.P. analysis with numeric filter of the signal received (patented)

High immunity demodulation of the signals (patented)

Exceptional discrimination of innocuous parts usually present in shoes

Immediately-available display of security level and detector configuration

ANALYSIS TIME Very reduced analysis time for a rapid flow-rate (typical: 2.5 seconds per shoe)

INPUTS OUTPUTS **Power supply** 100-277V~, 50-60 Hz, 1.8A

ALARM MODES **Signaling** Detection of metallic and explosives threats



Type of signaling

Random alarm

Same foot sequence assistant

Safety shoe recognition

Metal anomaly recognition (prosthetics)

Interrupted analysis

Sabotage or internal self-diagnosis

Visual, via 5.7" TFT display

Audio, adjustable for 10 selectable sound intensities ranging from 0 up to 85 dbA at 3.3 ft
44 selectable continuous and pulsed tones

ENVIRONMENTAL CONDITIONS **Dimensions** 21" x 28" x 38.6"

Weight 264 lbs

Protection degree (IEC60529) IP20 (for indoor use only)

Operating temperature 14 to 131°F

Storage temperature -34 to 158°F

Relative humidity 0-95%, without condensation

CERTIFICATION & CONFORMITY

Harmlessness Certified as harmless to wearers of pacemakers and other PMEDs, invalids, pregnant women and so forth

Harmless to magnetic media

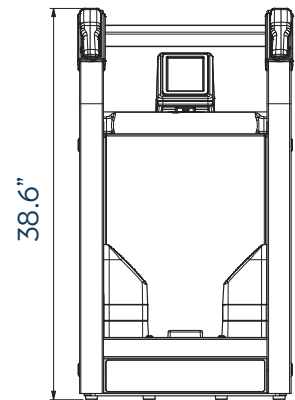
Standards Conforms to the international standards currently applicable for electrical safety and EMC, and to the applicable EC Regulations
Conforms to all Airport Security Standards worldwide

Civil Aviation certification

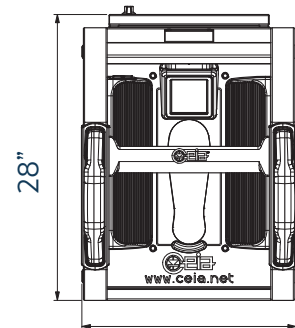
- STAC certified (FR)
- DfT approved (UK)
- BPOL certified (DE)
- NCTV approved (NL)

DIMENSIONS

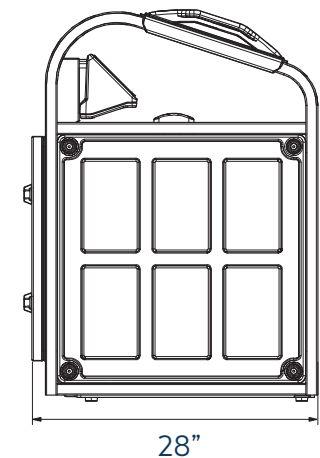
FRONT VIEW



TOP VIEW



SIDE VIEW



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