



## SAMDEX CEIA

SHOE EXPLOSIVE (SED) AND METAL (SMD®)  
DETECTOR

- CERTIFIED AGAINST RELEVANT DETECTION STANDARDS FOR EXPLOSIVE AND METALLIC THREATS
- SINGLE SYSTEM UNIT
- INCREASED CHECKPOINT THROUGHPUT BY ELIMINATION OF SHOE DIVESTITURE AND X-RAY CHECK
- ANALYSIS TIME: 4 SEC. TYPICAL/SHOE
- CLEAR "OK/ALARM" INSPECTION RESULT
- ERGONOMICS: SIMPLE AND STRESS-FREE USE

### DESCRIPTION

The main components and features of the SAMDEX® are as follows:

- A "step" structure designed so that the person being examined only has to place his/her foot in a well-defined area indicated by a positioning "footprint" engraved on the upper surface of the step.
- An automatic step-by-step guide to use of the analyzer, which addresses both the person being inspected and the security inspector via visual and audio messages.
- A compact, non-obstructive construction, characterized by its high degree of robustness and structural stability.



**SAMDEX®** ALLOWS PASSENGERS SHOES TO BE ANALYZED WITH NO NEED TO REMOVE THEM. SAMDEX® AUTOMATICALLY DETECTS, IN A FEW SECONDS, THE PRESENCE OF EXPLOSIVES AND METALLIC AND NON-METALLIC THREATS SUCH AS FI REARMS AND KNIVES. GUIDED USE IS PROVIDED THROUGH PROPER GRAPHIC ANIMATIONS.

### COMBINED SHOE METAL AND EXPLOSIVE DETECTOR

Previous European regulations only authorised shoe analyzers that detect metal but during the course of 2016 France worked with international organizations (ICAO, IATA/ACI, etc.) to promote the benefits that these new shoe analyzers can offer to air passengers.

Then STAC led a European group working on new regulations to be proposed to the European Commission, which brought in 2019 to the latest generation of shoe analyzers being added to the list of authorised equipment.

In the light of these advances, many airports acquired these new technology. The latest version of the SAMDEX® equipment, developed by CEIA, was successfully verified in specific Laboratory test by STAC and operationally tested in Paris Charles-de-Gaulle and Toulouse-Blagnac airports.

### EASE OF USE AND ERGONOMIC DESIGN

Use of the Shoe Scanner is simple and stress-free. The time required for analysis is reduced to the minimum thanks to the innovative mechanical and electronic solutions adopted and is no longer necessary to bend down to carry out manual inspection.



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## SPECIFICATIONS

Power Supply	100-277V~, 50±60 Hz, 1,8A
Serial Interface	RS-232C
Ethernet Interface	10/100 base-T
Operating temperature	-10°C to +55°C
Storage temperature	-37°C to +70°C
Relative Humidity	0 to 95% without condensation
Analysis time	Reduced analysis time for a rapid flow-rate: 4 sec. typical/shoe
Dimensions	535 mm x 715 mm x 980 mm
Weight	120 kg



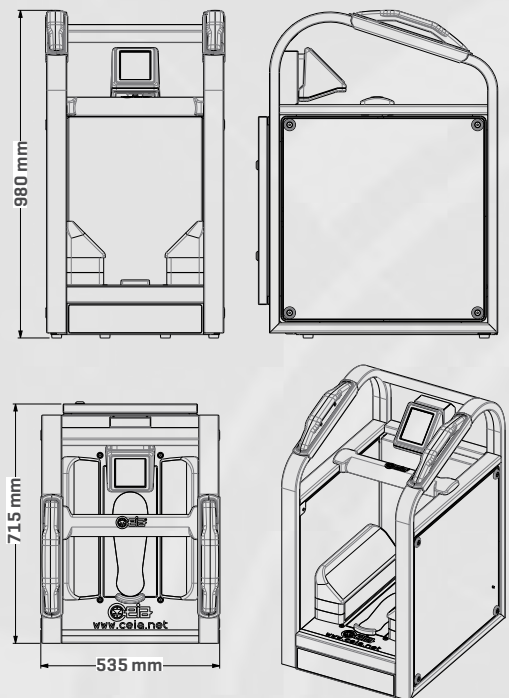
Passenger Screening by Walk-Through Metal Detector (WTMD), Shoe Scanner (SAMDEX) and passenger body control through PAT-DOWN



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



## DIMENSIONS (MM)



## HTDS

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