**EMIS SERIES**

**AUTOMATIC SCREENING FOR NON-METALLIC CARGO**

- Detect automatically detonators and metal components of explosive devices
- Low cost of ownership
- No dedicated operator
- High throughput
- No ionizing radiation
- Completely solid-state construction (no periodic maintenance or calibration required)

**INSPECTION OF**

- Flowers and perishable goods
- Paper products
- Textiles and Clothing
- Plastic and wooden products

**EMIS 130160 FOR PALLETIZED CARGO**

**TSA Qualified**

**Meet ECAC Performance Standard**

Threat Detection through Electromagnetics

CEIA USA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale.
The CEIA EMIS [Electro-Magnetic Inspection Scanner] equipment are security screening devices designed to inspect non-metallic cargo. Using CEIA exclusive Electromagnetic Profile Analysis technology, these devices ensure automatic detection of detonators and electronic circuits from IEDs (Improvised Explosive Devices), ammunition and weapons composed of metal (knives, firearms).

In case of detection, the scanners give an audible and visual alarm.

FULLY AUTOMATIC DETECTION

The EMIS is designed to automatically detect detonators and metal components of explosive devices inside paper, newspaper, perishable goods such as produce, fish and meat [fresh or frozen] and organic material in general. Electromagnetic inspection is the most suitable and quickest method for checking non-metallic cargo. The advanced technology employed in the EMIS minimizes the interaction with the goods themselves and does not depend on visual interpretation of an image by an operator.

DIFFERENT SIZES FOR INSPECTION OF SINGLE PACKAGES OR ENTIRE PALLETS

- **EMIS 8075** for screening of packages.
- **EMIS 130160 - EMIS 130200** for palletized cargo.
- **All models** can be used as a stand alone or in-line inspection device.

OVERALL DIMENSIONS

**EMIS® 8075 MODEL**

- **1** TUNNEL USEFUL AREA: 31.5” x 29.5”
- **2** PROGRAMMING PANEL
- **3** OPTICAL AND ACOUSTIC ALARM
- **4** CONVEYOR BELT
- **5** MOTOR CONTROL UNIT
- **6** ENTRANCE

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EMIS models 130160 and 130200 are the first available automatic e.m. scanners for inspection of entire pallets of non-metallic cargo. Moreover, the CEIA EMIS Series are the first e.m. scanners that have been qualified according to the TSA Air Cargo Screening Program.

They are also the first devices that have been tested under the ECAC Common Evaluation Process Framework and meet the ECAC performance standard for Metal Detection Equipment (MDE).

**EFFICIENCY AND LOW COST OF OWNERSHIP**

The EMIS offers the ability to automatically screen complete pallets, helping to avoid the need for breakdown and ensuring the highest throughputs are maintained when compared to other approved technologies. The automatic electromagnetic analysis offers a superior level of detection performance guaranteeing the safety of all shipments.

The automated screening process does not require the use of an operator for image interpretation and no regular staff rotation periods for constant operation. Peak periods can be helped by the increased throughput EMIS offers, combined with the ability to redeploy staff normally associated with image interpretation to areas where they are most needed.

The solid-state construction requires no periodic maintenance or calibration ensuring a substantial reduction in the life-cycle costs of the equipment.
## EMIS SPECIFICATIONS

### DETECTION FUNCTIONS
- Analysis of containers of perishable goods and paper without metal content
- CEIA electromagnetic-profile analysis technology
- 0.5 ppm by weight Detection Sensitivity at maximum load (130160, 130200 models)
- Tunnel useful area:
  - **8075** model: 31.5” x 29.5”
  - **130160** model: 51” x 67”
  - **130200** model: 51” x 78.8”
- Height of the conveyor belt:
  - **8075** model: 34.5” ± 3” adjustable
  - **130160** - **130200** models: 29” min / 29.8” max
- Maximum Conveyor Load:
  - **8075** model: 400 lbs typical – 600 lbs evenly distributed
  - **130160** - **130200** models: 3,307 lbs
- Maximum pallets height:
  - **130160** model: 65”
  - **130200** model: 77”
- Speed/Inspection Time:
  - **8075** model: 30 m/min
  - **130160** - **130200** models: Less than 1 min per pallet

### STRUCTURE
- Material: AISI 316L Stainless Steel
- Protection degree: IP65
- Weight:
  - **8075** model: 1,550 lbs
  - **130160** model: 11,000 lbs
  - **130200** model: 11,350 lbs

### POWER SUPPLY
- Supply voltage: 200-240 V, 50-60 Hz
- Maximum current:
  - **8075** model: 11.4 A
  - **130160** - **130200** models: 20 A

### PROGRAMMING AND COMMUNICATIONS
- Modern, rugged and user friendly interface
- Easy to read, high-contrast (3000:1) graphic display
- Rugged, anti-vandalism stainless steel keyboard
- Programming access protected by multiple password levels
- Selection of the operative program
- Programming type:
  - Local, through the built-in keyboard
- Memory:
  - 125 programs, 100,000 storable events
- USB Storage device connection

### ALARM FUNCTIONS
- Automatic slowing and stopping of the conveyor
- Manual alarm reset and consequent restarting of the conveyor
- Visible and audible alarms

### CONTROL INPUTS
- Connection of:
  - Following conveyor authorization, emergency button
  - Serial interface RS232: Built-in
  - Bluetooth connection: Built-in (deactivable)
  - USB Interface: Built-in
  - Ethernet interface: Built-in 10 - 100 Base-T
  - Video Camera: Built-in IP camera (130160 - 130200 models)

### OUTPUTS
- 5 programmable relays (30Vca – 2.5A) for the activation of external devices
- Ready to load relay
- Ready relay
- Ejector relay
- Preceding conveyor relay
- Item clear relay

### ENVIRONMENTAL DATA
- Operating temperature: 14°F to 122°F
- Storage temperature: -13°F to 158 °F
- Relative humidity: 0 to 95%
  (without condensation)

### CONFORMITY
- Conforms to the international standards currently applicable for electrical safety and EMC, and to the applicable EC Regulations
- Complies with Regulations relating to pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar)

### APPLICABLE COMMODITY GROUPS
- Grains and animal feed, produce, perishables, bakery goods, dry goods
- Seafood and Meat
- Textiles and Clothing (without metallic accessories)
- Paper products, plastic, rubber
- Printed Material
- Flowers and herbs

### FOR THE FOLLOWING CCSF
- Shipping facilities
- Freight Forwarding Facilities
- Third Party Logistics Providers
- Manufacturing Facilities
- Warehouses
- Distribution Centers
- Growers of produce

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