

# CEIA Large Bore Metal Detector



**WESTMINSTER**  
GROUP PLC

Product Code: 1040-12

## Key Features



**Fully automatic detection of detonators & metal components of explosive devices**



**No dedicated operator needed**



**No ionising radiation**



**Complete data logging & traceability**



**No periodic maintenance or calibration required**



**Available in different sizes for inspection of single items or pallets**



## Overview

This scanner 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.

It will automatically screen complete pallets, alleviating the need for breakdown, whilst 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.

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

### Features

Maximum Conveyor load: 1,500 kg

Maximum Pallet Height: 165 cm / 195 cm

Conveyor Belt Height: 73.5 cm / 75.5 cm

Speed: <1 minute per pallet

Supply voltage: 200-240 V, 50-60 Hz

Maximum current: 20 A

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## Detection Functions

- Analysis of containers of perishable goods and paper without metal content
- Electromagnetic-profile analysis technology
- 0.5 ppm by weight Detection Sensitivity at maximum load (130160, 130200 models)
- Tunnel useful area: 130160 model: 1,300 mm x 1,700 mm; 130200 model: 1,300 mm x 2,000 mm
- Height of the conveyor belt: 735 mm min / 755 mm max
- Maximum Conveyor Load: 1,500 Kg
- Maximum pallets height 130160 model: 1,650 mm – 130200 model: 1,950 mm
- Speed/Inspection Time: Less than 1 min per pallet

## Programming & 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

## Structure

- Material AISI 316L Stainless Steel
- Protection degree IP65
- Weight: 130160 model: 5,000 kg; 130200 model: 5,150 kg

## Power Supply

- Supply voltage 200–240 V, 50–60 Hz
- Maximum current 20 A

## 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
- BT wireless communication connection: Built-in de-activable
- USB Interface: Built-in
- Ethernet interface: Built-in 10 – 100 Base-T
- Video Camera: Built-in IP camera

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## 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: –10°C to +50°C
- Storage temperature: –25°C to +70°C
- 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 Codes

- 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 Centres
- Growers of produce

