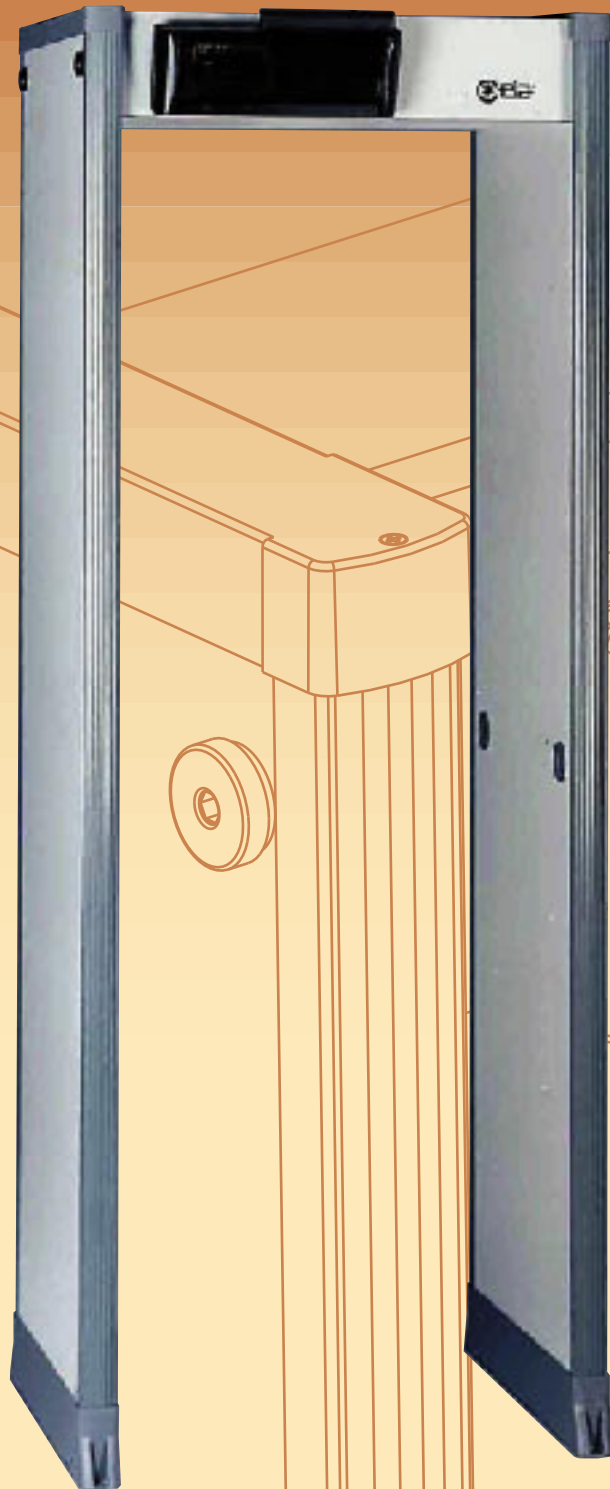


02PN10

Very-High Discrimination Metal Detector

- Complete Security Detection
- Excellent Discrimination against Personal Metal Objects
- Very High Immunity to External Interferences
- Chip Card System to select International Security Standards and Operator Level commands
- Extreme Reliability
- Local or Remote Programming with Networking Capability



02PN10

Very High Discrimination Metal Detector

The growing need to increase security levels at metal detectors checkpoints has led to new international standards. These require detection of magnetic, non-magnetic and mixed-composition weapons, of limited dimensions and minimum weight.

100% detection of these weapons over the whole metal detector transit area, coupled with a high level of discrimination with respect to metal personal effects, is a huge challenge even for the latest-generation metal detectors.

Based on these new security requirements, CEIA has developed the **02PN10** metal detector, which can be considered state of the art as regards detection efficiency and allowable flow rate.

The advantages of the **02PN10** metal detector have been assessed in laboratory and field tests by some of the world's most important security bodies, which have chosen the detector to protect airports under their management.

The **02PN10** while maintaining the same sensitivity levels, offers the possibility of reducing by up to a factor of 4 the number of alarms related to metal personal effects.

The detector's control unit is incorporated into the structure. Access to programming is protected both by a mechanical lock and by two alphanumeric passwords.

The **02PN10** is manufactured using the most advanced electronics technology, conforming to **ISO-9001** quality control procedure standards.



02PN10

Electronic control unit

Parameters programming

Technical data

Main features

- Extremely high security and discrimination
- Security levels programming and operator level commands setting by Chip-card system
- Adjustable sensitivity with a wide range of settings
- International Standards: immediate selection of International Security Standards
- High detection speed: up to 45 ft/second
- Very high immunity to both electrical and mechanical interferences
- Programmable operation controlled by microprocessor
- Programming: via built-in keypad and display or RS232/RS485 serial connection to personal computer or computer network
- Programming access protected by a mechanical lock and two alphanumeric passwords
- Cable-free automatic synchronisation between two or more metal detectors at a minimum distance of 2 inches from each other
- High-integration professional electronics and maximum reliability
- Control unit incorporated into the detector
- No need for initial or periodic calibration
- Easy maintenance: the control unit can be replaced within one minute
- Colour: light grey RAL 7040

Alarms

Visible signal:

- *High intensity display*
- *Green and red signals*
- *Signal proportional to the mass of the object detected*

Audible signal:

- *High acoustic intensity alarm signal*
- *Volume and tone of alarm signal can be programmed*
- *Steady tone or tone proportional to the mass of the object detected*

Under the alarm threshold	
***	Small metal mass
*****	Medium metal mass
Over the alarm threshold	
***	Medium metal mass
*****	Large metal mass

Certification and conformity

- Harmless to wearers of pacemakers or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar)
- Conforms to the FAA "3-Gun-Test" standard and to the NILECJ-0601-00 standards for all security levels
- Satisfies EC regulations and international standards relating to electrical safety and electromagnetic compatibility (EMC)

Installation data

Power supply:

- 115 / 230 VAC, $\pm 15\%$, 45-65 Hz, 30 VA MAX

Inputs:

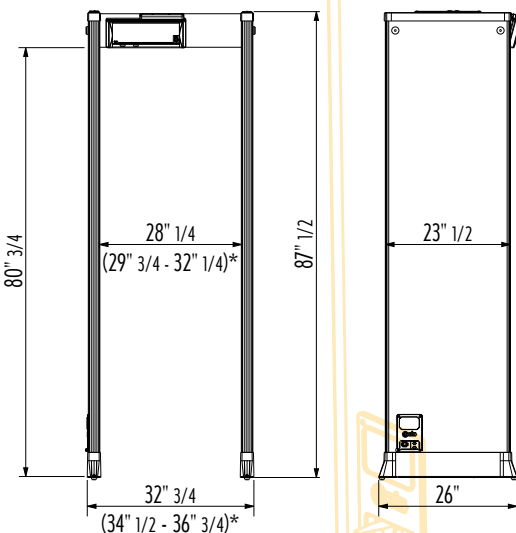
- RS-232C interface for connection to a terminal, computer or external modem
- RS-232C interface for network connection to other CEIA detectors

Temperature and relative humidity:

- from 5°F to 158°F; from 0 to 95% (without condensation)

Options

- Photocell transit count
- Metal test samples
- Back-up batteries with 30 minutes or 6.5 hour independent operation capability



* Available on request

CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and optionals, to the prices and conditions of sale.



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