SDM5-MZW

Walk-through multi-zone metal detector with outdoor configuration

Multizone system with 33 different control zones.

Light size and weight.

Large visual control display.

Entirely programmable by keyboard.

High immunity to electromagnetic noise.

Automatic synchronization between two or more metal detectors.

Excellent discrimination between personal items and weapons.

High sensitivity for each zone and independent programming.

Alarm indicator configurable according to the operator's choice.

Waterproof base for anchoring to the floor.

Structure for outdoor installation, IP66 protection degree.

AuTech
Automation Ideas and Solutions

100% made in Italy

ELECTRONIC CONTROLLER

Case with stainless steel structure anti-vandal and outdoor installation (IP66).
Feeder with input voltage 100-240Vac / 50-60Hz.
Feeding voltage 24VDC.
Electrical absorption 30 Watt max.
Sampling frequency from 3 kHz to 8 kHz.
Temperature range -20°C +70°C.
Non condensed relative humidity 0 - 95%.
Multi-zone system with 33 signaling zones.
Precise and simultaneous detection of several metal objects through 11 vertical zones and 3 horizontal ones
High sensitivity for each zone and independent programming.
Detection of ferrous, non-ferrous, magnetic, non-magnetic items and of objects made of mixed alloys.
Uniformity of detection throughout the internal volume of the passage.
Excellent discrimination between personal items and weapons.
High immunity to mechanical interference and electromagnetic noise (X-ray systems monitors, CCTV horizontal synchronization, etc.) through digital signal analysis algorithms.
Programming via keypad.
Direct selection of international safety standards by the programming menu.
Viewing configuration settings via LCD.
Safety key for access to programming.
Self-diagnosis system.
Storage parameters via solid state memory.
Incorporated RS232 serial interface board.

Options
Ethernet Network Connection by means of an external module.
Remote Management Software (Windows O.S.).
Feeder with battery charger with input voltage 100-240Vac 50-60Hz.
Auxiliary buffer batteries 2 hours autonomy.

GENERAL SPECIFICATIONS

Access to the front panel protected by mechanical lock and password on two levels (user - Super User).
Automatic synchronization between two or more metal detectors (with no connecting cables).
Waterproof base for fastening on the floor.
It requires no initial or periodic calibration.
Control for sabotage prevention.
All parameters programmable.
Low maintenance.
LCD display for programming function indication.
Visual indication proportional to the mass of metal detected (under and above the threshold).
General external background noise measurement proportional to the threshold set.
External electromagnetic noise measurement proportional to the threshold set.
100 sensitivity levels.
06 amplification levels.
High speed interception (adjustable up to 15 m/sec).
Short programmable reset time, for a high flow of continuous transit (more than 50 persons/min).
20 analysis values.
100 manual frequency searching values.
20 configurable programs for greater versatility.
2500 different frequency combinations.
Filters inserting by programming.
100 acoustic intensity levels.
100 alarm time levels.
200 volume levels.

Options
Metal samples test (OTP). Designed according to the FAA 3 standards.

STRUCTURE

The MEG material 4 mm is not subject either to flaking or delamination of the decorative surface.
MEG is not hazardous to the health and is non-polluting to the environment. It is composed of 70% by cellulose fibers and of 30% by thermosetting resins; it does not contain asbestos and is free from heavy materials. No emission of gases, vapors, solvents or liquids.

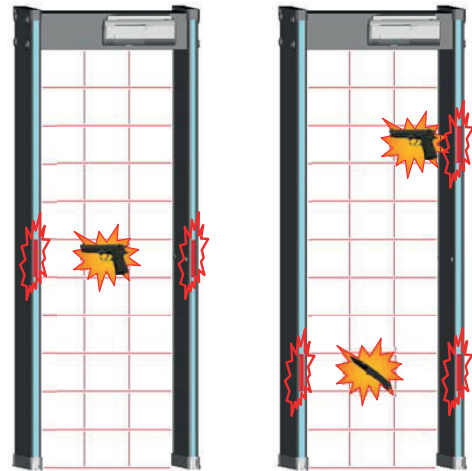| Waterproof and UV resistant. | Mechanically sturdy. | Unsplinterable. | Easy to clean. | | Resistant to termites. | Antistatic. | Aesthetically pleasing. | Environmentally friendly. |

ALARM INDICATORS

Visual alarm through Red LED and LCD.
Audible alarm adjustable in duration, frequency and tone.
Visual indicator of alarm status and operating status.
Visual indicator for Battery feed.
Independent alarm at different heights of the body.
Alarm indicator visible from both sides of the gate and configurable according to the operator's choice.
33 Object Alarm Signaling zones: 11 vertical and 3 horizontal.
Stop/Go Passage Lights (Red/Green).
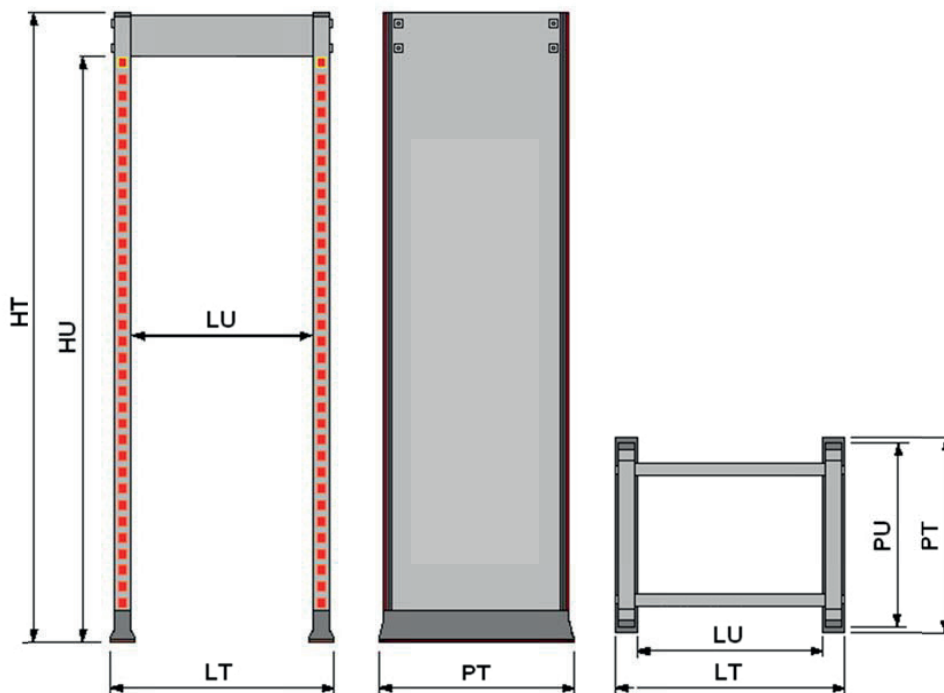Bidirectional Pass Counter (Input / Output).

Options
Remote signaling unit.
Wheel mobility kit.

CERTIFICATIONS

Harmless to magnetic supports (floppy disk, tapes, credit cards, etc).
Complies with Regulations relating to human exposure to electromagnetic fields and safety for pacemaker users.
In compliance with NILECJ-0601.02, NIJ Standard-0601.02 standards all levels.
In compliance with "3 GUN TEST" FAA standards.
In compliance with CE standards.
In conformity with the International Standards for Electrical Safety and Electromagnetic Compatibility (EMC).
ISO9001 Quality Control Procedures.

DIMENSIONS

Transducers Model	HT (mm)	HU (mm)	LT (mm)	LU (mm)	PT (mm)	PU (mm)
P500THMZ-W	2200	2000	850	720	650	580
P500THMZ-WL	2200	2000	890	760	650	580