

## WALK THROUGH METAL DETECTOR (MULTI ZONE) MODEL: 106F

NIJ 0601.02 standards /  
IS 14132:2021 complied

Experience advanced security screening with this next-generation **8-Zone Pulse Induction Walk Through Metal Detector**, engineered for high accuracy, safety, and reliable performance in demanding environments. The system allows a very high throughput in Z Security public screening checkpoints.

### Ideal Applications

- Government Premises
- Airports, Railways & Metros
- Law Enforcement
- Malls & Retail Outlets
- Public Events
- Schools & Universities
- Hospitality



#### ADVANCED PULSE INDUCTION TECHNOLOGY

The system is built on pulse induction technology, enabling stable and reliable detection performance across all environments with high accuracy. Detects both ferrous and non-ferrous metals with uniform sensitivity from top to bottom.

#### HIGH IMMUNITY PERFORMANCE

The system offers excellent discrimination and immunity to external noise, infrared, UV, electromagnetic and RF radiation.

#### METAL LOCATOR INDICATION

Side-panel indicator lights and bar graph display show exact metal position zones clearly, improving screening accuracy and ease of viewing. It helps security staff or operators to quickly identify the presence and location of concealed or contraband metal objects.

#### QUICK CALIBRATION

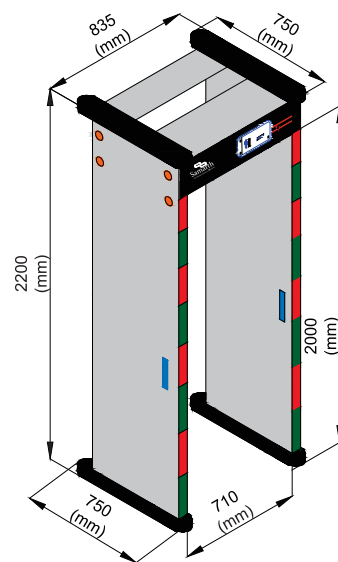
Quick calibration of a DFMD involves running its built-in auto-calibration sequence, setting baseline sensitivity with test objects, and adjusting for environmental interference to ensure accurate detection without excessive false alarms. Supports automatic and manual calibration through keypad or remote control (wireless / serial / network). All functions controlled digitally by micro-controller.

#### INTELLIGENT TRAFFIC COUNT

Smart counter display with a visible display unit and counter modes are user programmable. Alongside metal detection, the traffic counter shows total footfall count.

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Sr. No.	Specification	Details
1	Technology	Pulse Induction Technology
2	Detection	Detects both ferrous and non-ferrous metals. Uniform from top to bottom in all zones with pinpoint detection as per NIJ 0601.02 / IS 14132:2021 standard for large, medium and small metal objects
3	Dimensions – Arch Assy	Height – 2200 mm   Width – 835 mm   Depth – 750 mm
4	Dimensions – Passage Clearance	Height – 2000 mm   Width – 710 mm   Depth – 750 mm
5	Weight	80 kgs maximum
6	Power Supply	220 +/- 10 VAC, 50 Hz, 12–24 VDC with internal battery back-up for 6 hours (Optional)
7	Alarm	Acoustic and optical alarm with alphanumeric LCD display, height on person bar display (metal locator), low battery indication.
8	Sensitivity	Sensitivity setting ranging from 0 to 255 with fine tuning. Zone-wise sensitivity setting and automatic zone-wise sensitivity setting with Digital Signal Controlled (DSP).
9	Zones	<b>8 (Eight) real horizontal detection zones</b> covering full height of the equipment
10	Calibration	Manual & automatic via built-in keypad & remote control via serial link/network/wireless link. All functions programmable and microprocessor controlled.
11	Counter	Intelligent traffic counter for transit (0 to 999999)
12	Throughput Rate	25 people per minute
13	Multiple Metal Detection	Detects multiple metal objects of various sizes in all the zones simultaneously
14	Protection	<p><b>Electrical Safety:</b> Compliance with electric safety standards with test certificates from NABL (India) accredited lab as per IEC-61010-1</p> <p><b>Health &amp; Other Safety Measures:</b></p> <p>a. Operation of the equipment is not affected by infrared, ultra violet, electromagnetic and RF radiation. The equipment is complied with CE for safety and immunity standard with test certificates from NABL accredited lab.</p> <p>b. The equipment is harmless to pacemaker and pregnant women and comply with ICNIRP guidelines with test certificate from NABL accredited lab</p>
15	Optional	1. Battery Backup 2. LAN Connectivity for Networking
16	Packing Details	Panel Box - L - 91 inch, W - 31 inch, H - 13 inch Head Box - L - 32 inch, W - 16.5 inch, H - 12.5 inch



Product specifications may be changed without prior notice for improvement in quality and performance.