



WTD-SG-ONE

SINGLE ZONE WALK THROUGH METAL DETECTOR

DETAILS

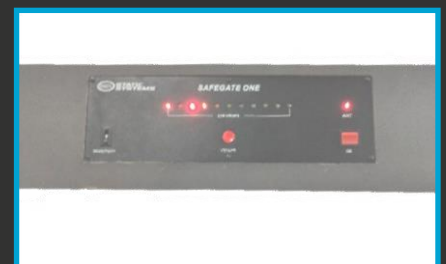
SAFEGATE ONE is a reliable single piece walk-through metal detector system that does not require a separate control unit. It has been developed to detect clandestine ferrous and non-ferrous metals on the body of a person when asked to pass through the doorframe. Special ferrite detection circuitry has been employed to detect weapons concealed in ferrite containers.

It has been designed for fast installation and operation under all environments. Long life LED Walk/Stop indicators are incorporated on top of the doorframe to regulate the flow of traffic. All controls and audio/visual alarms such as Piezo transducer, LED bar graph, indicator lamps and sensitivity controls are provided at the rear top of the door. Small, medium and large metal objects are indicated by three separate large sized LED indicators that have a wide viewing angle and

OPERATING MODES

- Automatic zero adjustment
- Ignores external metals
- 10 levels of sensitivity adjustment
- 10 step bar-graph indicator
- Piezoelectric beeper for indication of metal
- built-in battery backup

A metal detector is an electronic instrument which detects the presence of metal. Metal detectors are useful for finding metal hidden within objects, or metal objects buried underground. A Door Frame Metal Detector (DFMD) as the name suggests is a metal detector fitted in a door to detect metal that may be hidden on the body of the person passing through this door. This is also known as a "walk through" metal detector. These are used for security screening at access points in prisons, courthouses, and at airports to detect concealed metal weapons on a person's body.



Technical Data	Unit	Detail
Dimension (outer)	mm	2310x830x150 (HxWxD)
Dimension (inner)	mm	1920x750x150 (HxWxD)
Power supply	V(ac)	90~270
Operational voltage	V(dc)	12
Max power consumption	W	40
Operating frequency	Hz	20 KHz Nominal
Housing Material		High quality wooden laminate
Working Temperature	C	-10~+55
Power backup	V(dc)	12V SMF
Indication	Mm	Visual & Audible
Net weight including Ramp	Kg	40

MECHANISM

- SMPS power supply for use with 90V to 270V and 12V/7AH Battery Seamless battery changeover in case of mains failure Batteries are internally and automatically charged during operation
- Infrared sensors are incorporated to prevent metal outside the door frame from interfering with the system
- 10-Step adjustable sensitivity from Low to detect objects like grenades, Guns and Swords to High to detect objects like watches, keys etc



CONTROLS

- ON/OFF Switch
- VOLUME HIGH/LOW Switch
- 10 Position SENSITIVITY Switch

INDICATORS

- GREEN LED "WALK" Indicator
- RED LED "STOP" Indicator
- 10 STEP LED BAR-GRAPH Indicator
- BLUE LED to indicate battery operation



OPERATIONS

- Loud piezoelectric alarm with two-step volume control
- Delta-Q Auto calibration operating principle