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# LOTUS SCAN 33

## Multi-brand compatibility:

Can be added to existing checkpoints without having to replace other brand units. Includes multiple channels and 2,300 selectable operating frequencies.

## Pacing lights:

Universal "green" and "red" lights at the detector entrance, exit for traffic controls.

## Quick Program Change:

Change programs on the fly without waiting for system to update.

## Optimum Performance:

More than 20 sensitivity settings, suiting different applications like airports, malls, public places, court, prisons, schools, facilities, special events, mass transit, loss prevention and other applications.

**Quick Startup:** on in less than 5 seconds. Inbuilt UPS and cold start

## Traffic counter:

Traffic counter for IN and OUT.

## 33 Zones : Accurate pinpointing:

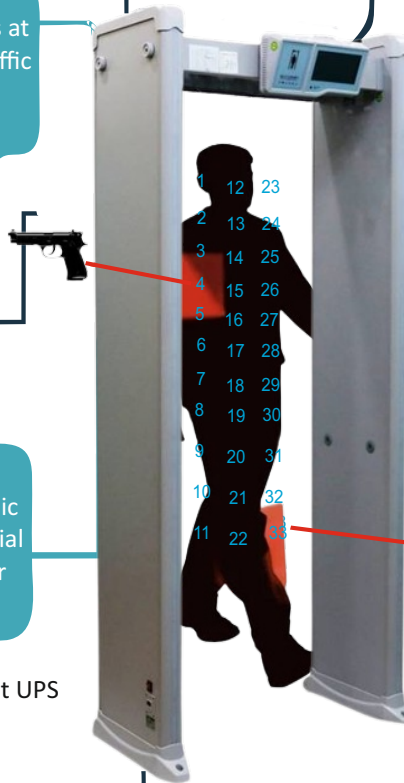
Uniform detection and precise pinpointing. Independent zone indicator lights on both side panels identify not only height but also left, center and right locations for one or more objects passing through the archway.

## Dual-sided detection:

This unique bilateral technology has transmitters and receivers in each side panel to allow scanning from both sides, resulting in uniform detection throughout the archway. It also provides superior noise cancellation resulting in easier setup (i.e. no need to rotate the unit to avoid interference from nearby equipment such as other metal detectors or x-ray

## Superior versatility:

Menu based settings for feature selection such as alarm indication, count method, and language without the use of a computer. Field programmable to allow system upgrades. Multiple units can be installed as close as 1 ft.



- **PRODUCT SPECIFICATIONS:**
- Type of usage : Option of both **Outdoor** and **Indoor**
- Detection Zones : **33 Zones**
- Number of Horizontal Detection Zones covering full Height : **11 x 3**
- Material of Walk-through Arch: available in **all options of PVC, ABS, Polycarbonate**
- Provided with base wheels for **easy mobility** (optional accessory)
- Provided with a floor panel to attach both side panels to give stability & rigidity to the structure (optional accessory)
- Ramp over the floor panel - Covered with synthetic carpet for long life (optional accessory)
- **Water proof** (optional feature)
- **Weather proof:** ( - 20 Deg C to 55 Deg C )
- Bar Display to indicate Metal location w r t Height on person
- **Operating Temperature Range (Degree C) :** -20 to +55 Degree C
- **Inbuilt Battery :** Re-chargeable, maintenance free, internal battery with charger
- **Battery Back-up** in full function : 6 hour .
- Optionally **extendable upto 18 hrs**
- Ruggedized PP shock proof container compliant to IP 65 for safe transportation of the equipment ( optional accessory )

## DIMENSIONS/WEIGHT:

Passage Height : **2000 millimeter**  
Passage Breadth : **750 millimeter**  
Passage Width : **570 millimeter**  
Weight of the equipment : **< 55 kgs**

## DETECTION:

Metals detectable : Ferrous, Non-Ferrous, Ferrite & Alloys  
Uniform Detection from top to bottom  
Capable of Metal Detection in all orientations  
Detect multiple objects of various size, weight and shape in all the zones simultaneously from head to toe  
Capable of Metal Detection in walking speed of interception  
Performance independent of the speed of person passing through

## ALARM/INDICATION/DISPLAY:

Audio-Visual indication on detection at side panels and control panel  
Audible Alarm on detection with adjustable volume  
Bar Display to indicate Metal location w.r.t Height on person

**Audio-Visual** Low Battery indication

**Back-lit Display** : LED

**Traffic light** : At entrance and exit on both side panels.

**Traffic light indication** : Red if metal detected , Yellow if no metal detected , Green if detector is free for passage .

## SENSITIVITY:

- Operational Frequencies : User selectable
- Number of User Selectable frequencies : 15
- Adjustable Sensitivity
- Number of Sensitivity Levels / Steps : 20
- Uniform Sensitivity in all zones
- Calibration : Both manual and Auto Calibration



Control Panel

Gun



Bullet



Knife



Lighter



Hand Grenades



Mobile Phones



## SECURITY:

- Provision to secure access to the control unit by a pass word protected alpha numeric keypad.
- Re-setting after alarm condition:** Re-set itself (auto) within 3 Seconds.
- Walk / Stop indicator for traffic control.
- Control Panel** : Easy accessible control panel, with modular design and standard plugs and connectors. Adjustable controls activated by password.
- User friendly self-testing diagnostics to identify faulty condition.

## HEALTH & SAFETY:

- Harmless to wearers of pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media
- Not affected by infrared, ultraviolet, electromagnetic or RF radiation.
- Conform to international security standards of Safety / Radiation
- Harmless to magnetic media, electronic devices, Film safe and Data safe.

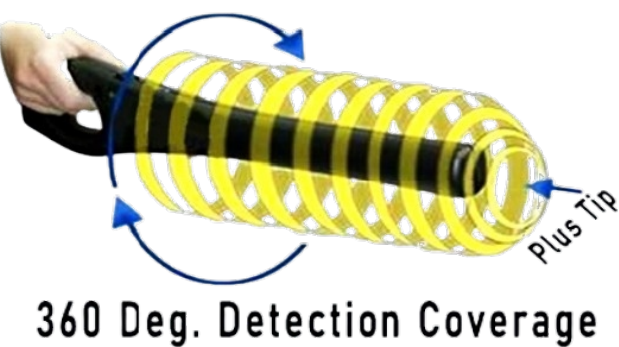
# LOTUS HHMD 101

## Hand Held Metal Detector



### STANDARD FEATURE:

- ✓ Detection of All Metals , ferrite, metal alloys
- ✓ 3 way switch – ON , OFF , Silient
- ✓ Audible & Vibration operation mode
- ✓ Separate LED indication for ON, detection, low battery
- ✓ Long Scanning area , above 230 mm
- ✓ Length : 486 mm
- ✓ Handle Width : 83 mm
- ✓ Thickness : less than 30 mm
- ✓ Battery : SMF, Rechargeable , 9V , Ni-Mh
- ✓ Long run time , above 40 hrs continuous run time
- ✓ 220V AC charger : provided with equipment
- ✓ CE, FCC, Rohs Certified
- ✓ Safe for Pregnant Woman, Pace makers, Digital & magnetic Media



# LOTUS HHMD 201

## Hand Held Metal Detector



**Ideally recommended for areas having large flow of traffic due to large scanning area.**

### BODY / CONSTRUCTION:

- ✓ Simple to use, convenient , easy to carry. Made from high quality ABS Plastic .
- ✓ Long scanning area ( 250 mm long ) for quicker detection in high traffic
- ✓ Nylon handle strap to hold it as well as Leather belted case for strapping HHMD to belt.
- ✓ Total Weight of detector : less than 500 grams (including rechargeable battery & Leather Strap) ( excluding charger )
- ✓ Length of detector : 410 mm (Large scanning area), Max width of detector : 80 mm , Max. Thickness of detector : 20 mm

### DETECTION & OPERATIONS:

- ✓ Single detection program to detect all ferrous metal and non-ferrous metals . Detection sensitivity easily adjustable.
- ✓ Easy to operate, simple operation switches :-On/ off switch
- ✓ Detection mode : 2 detector has user selectable options (a) Visual + sound (b) Visual + vibration
- ✓ Duration of operations under single full charge : above 50 hours.

### BATTERY & CHARGER (optional):

- ✓ Inbuilt Ni-mH - 9V 300 mAh Rechargeable Battery . Life of battery : above 1 year . Battery easily replaceable .
- ✓ External battery charger 90-260 V AC , 46 - 63 Hz . Easy connection of charger with HHMD. ✓ Auto cut off to prevent battery over charging.
- ✓ Low battery LED indication with auto cut off , to prevent battery from deep discharge
- ✓ Suitable for temperatures from -20 deg C to 75 deg C , humidity upto 99 deg , non condensing

### OPTIONAL:

9 Volt Dry battery without charger in lieu of rechargeable battery and charger.



Packing Case

# LOTUS HHMD 301

## Hand Held Metal Detector



**Ideally recommended for areas requiring high detection quality/small metal scanning**

### BODY / CONSTRUCTION:

- ✓ Simple to use, convenient, easy to carry. Made from high quality ABS Plastic.
- ✓ Battery case: self locking as well as screwable. Nylon handle strap to hold
- ✓ Total Weight of detector: 275 grams (including rechargeable battery) (without charger)
- ✓ Total length: 420 mm; Thickness of handle: 30 mm

### DETECTION & OPERATIONS:

- ✓ Single detection program to detect all ferrous metal and non-ferrous metals.
- ✓ Detection sensitivity easily adjustable.
- ✓ Duration of operations under single full charge: above 50 hours.
- ✓ Low battery LED indication with auto cut off, to prevent battery from deep discharge.
- ✓ Detection mode: 2 detector has user selectable options (a) Visual + sound (b) Visual + vibration
- ✓ Easy to operate, single switch for selection of operations in any of the 3 modes :-
  1. Off position
  2. Vibration + Visual (LED) metal indication mode
  3. Sound + Visual (LED) metal indication mode

### BATTERY & CHARGER:

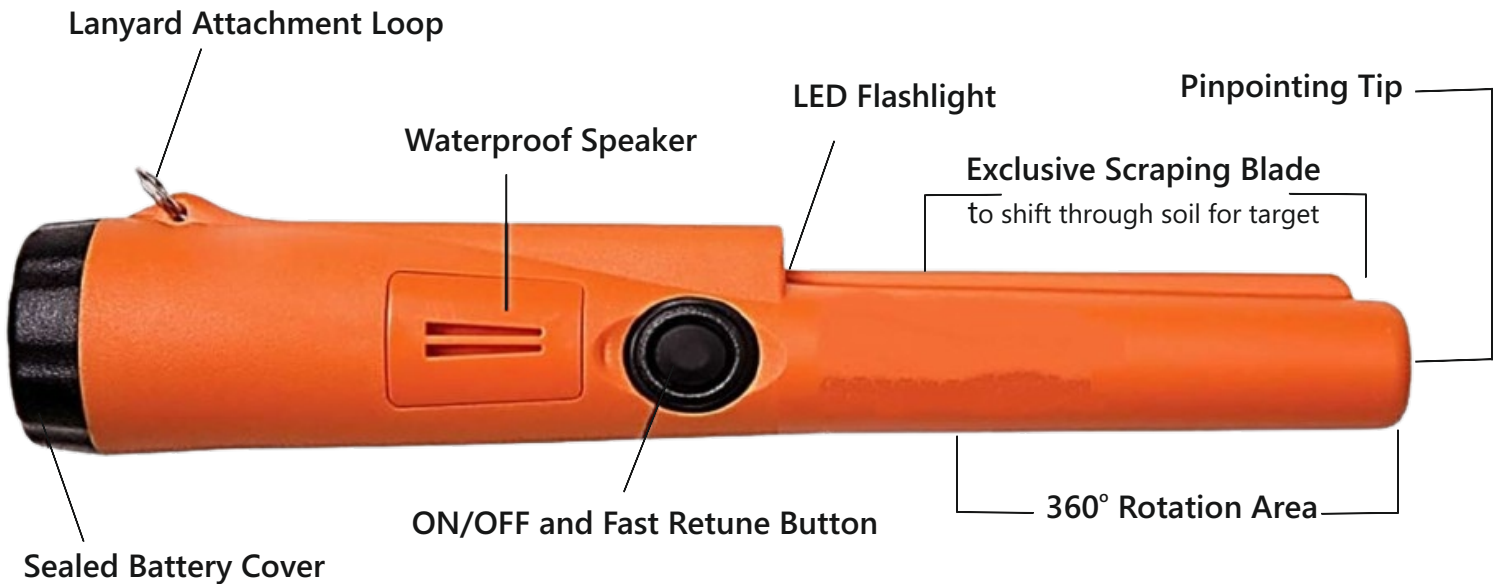
- ✓ Inbuilt Ni-mH 9V 300 mAh Rechargeable Battery
- ✓ Life of battery: approx 2 year. Battery easily replaceable without any tools.
- ✓ External battery charger 90-260 V AC, 46 - 63 Hz. Easy connection of charger with HHMD. Auto cut off to prevent battery over charging.
- ✓ Suitable for temperatures from -20 deg C to 55 deg C.



Packing Case

# LOTUS HHMD 501

## Hand Held Metal Detector



### STANDARD FEATURE:



- ✓ Detection of All Metals , ferrite, metal alloys
- ✓ 3 way switch – ON , OFF , Silient
- ✓ Audible & Vibration operation mode
- ✓ Separate LED indication for ON, detection, low battery
- ✓ Total Length : 23 cm
- ✓ Search length : 10 cm
- ✓ Handle Width : 83 mm
- ✓ Thickness : less than 30 mm
- ✓ Battery : SMF, Rechargeable , 9V , Ni-Mh
- ✓ Weight : less than 225 grams ( without battery )
- ✓ Long run time , above 40 hrs continuous run time
- ✓ 220V AC charger : provided with equipment
- ✓ CE, FCC, Rohs Certified .
- ✓ Safe for Pregnant Woman, Pace makers, Digital & magnetic Media