

# Metal Detector with Charger

## Description:

The **Metal Detector with Charger** is a compact, handheld instrument designed for detecting metallic objects concealed within the body or clothing, often used in medical, veterinary, and security environments. With a built-in rechargeable battery, it's an efficient, mobile solution for safe and accurate scanning.

## Specifications:

- Handheld design for ease of use
- Detects ferrous and non-ferrous metals
- Rechargeable lithium battery included
- Comes with standard **charger unit**
- LED indicator for detection and battery status
- Vibration and sound alert system
- Sensitivity adjustment knob

## Sizes & Shapes:

- **Length:** Approx. 12–14 inches
- Slim, rectangular wand-style design
- Lightweight and ergonomic grip for long use

## Material:

- Durable **ABS plastic** outer body
- Internal copper wiring and magnetic coil
- Shock-resistant casing

## Category:

- Diagnostic & Support Equipment
- Sub-category: Detection & Scanning Tools

### **Product Form:**

- Electronic device
- Reusable with rechargeable power
- Portable, handheld model

### **Usage:**

- Detect foreign metallic bodies in medical or surgical prep
- Locate embedded needles, wires, or surgical remnants
- Used in both veterinary and human settings
- Also used in clinic entrances for safety scanning

### **Advantages:**

- Portable and cordless
- Comes with charger (no need for constant battery replacement)
- High sensitivity for accurate detection
- Non-invasive and safe

### **Disadvantages:**

- Needs regular charging
- May not detect very small or deeply embedded metals
- Not waterproof (handle with care)

### **Precautions:**

- Avoid exposure to moisture or extreme heat
- Charge only with original charger provided
- Do not drop or handle roughly

### **HS / HSN Code:**

- **HS Code:** 8543.70
- **HSN Code:** 8543 (Electrical machines and apparatus with individual functions)

## **Handling Instructions:**

- Hold parallel to the body part being scanned
- Move slowly across the area
- Check indicator light and sound/vibration for detection

## **Sterilization Details:**

- **NOT autoclavable**
- Wipe with **alcohol-based sanitizing wipes** only
- Do not immerse in water

## **Veterinary Application:**

Used in veterinary practices to detect metallic foreign objects ingested or embedded in animals. Useful in trauma cases and post-op checks.

## **Human Application:**

Commonly used in emergency, surgical, and orthopaedic settings to detect metal inside wounds or during pre-op screening. Also used in clinics and security at entrances.

## **Frequently Asked Questions (FAQs):**

1. **Is this device rechargeable?**  
Yes, it comes with a charger and built-in battery.
2. **What type of metals can it detect?**  
It detects both ferrous and non-ferrous metals.
3. **Can it be used in veterinary settings?**  
Absolutely — it's used in both human and animal care.
4. **How should it be cleaned?**  
Wipe with alcohol-based disinfectants — no water immersion.
5. **How long does the battery last?**  
Typically 6–8 hours of continuous use per full charge.