

# Hand Torch for Diagnosis

## Description

A compact, handheld torch designed specifically for diagnostic purposes. It provides a focused and bright light source to aid medical and veterinary professionals in examining patients, inspecting wounds, and performing minor procedures.

## Specification

- **Power Source:** Usually powered by replaceable batteries or rechargeable cells
- **Light Type:** LED or halogen bulb for bright illumination
- **Brightness:** Around 100-250 lumens
- **Beam Focus:** Fixed or adjustable focus for targeted lighting
- **Material:** Durable plastic or metal body
- **Weight:** Lightweight, approximately 150-250 grams

## Sizes

- Typically between 12 cm to 18 cm in length for easy handheld use

## Shapes

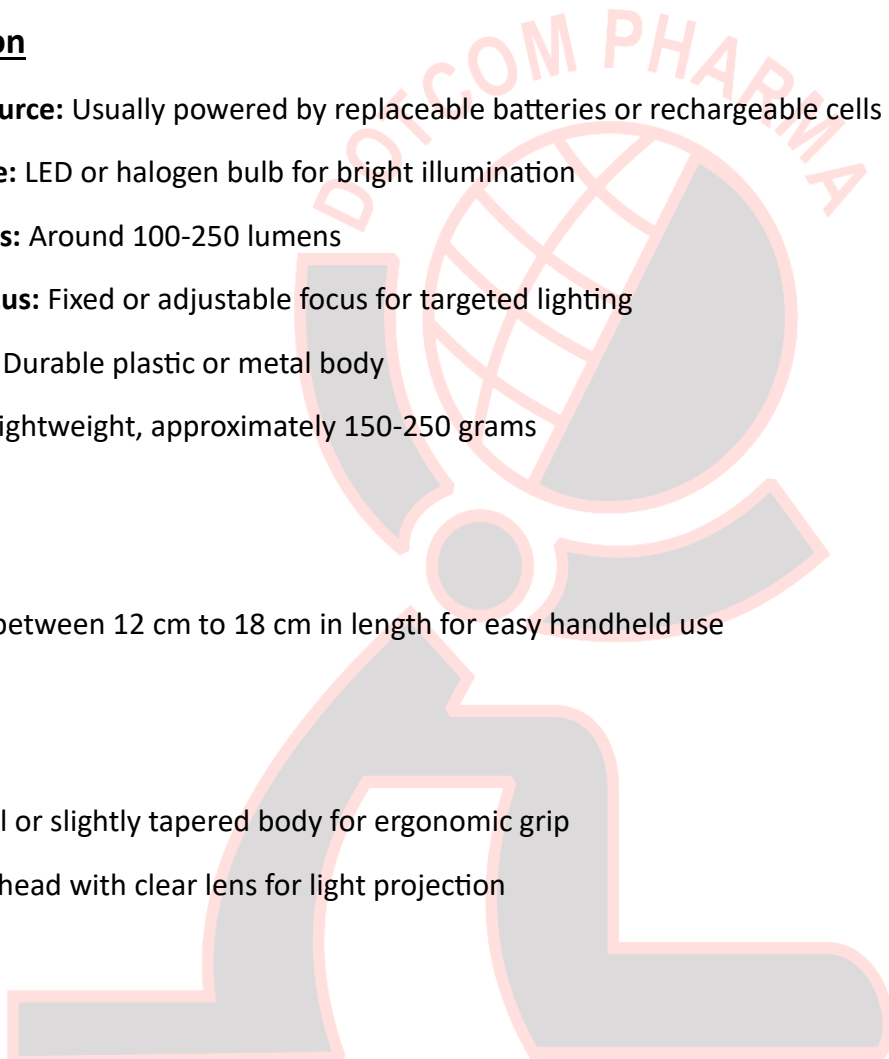
- Cylindrical or slightly tapered body for ergonomic grip
- Rounded head with clear lens for light projection

## Types

- Battery-powered (AA or AAA batteries)
- Rechargeable torch with built-in battery

## Material

- ABS plastic or aluminium body for durability
- Tempered glass or plastic lens



## **Category**

- Medical diagnostic tools
- Portable examination lighting
- Veterinary diagnostic equipment

## **Product Form**

Available as a standalone torch, often supplied with batteries or charging cable and user manual.

## **Usage**

Used to provide focused light during patient examinations, wound inspections, and minor medical or veterinary procedures.

## **Advantages**

- Portable and easy to use
- Bright, focused light improves diagnostic accuracy
- Lightweight and ergonomic design
- Some models rechargeable, reducing battery costs

## **Disadvantages**

- Battery replacement or charging needed regularly
- Fixed beam models may have limited light adjustment
- Some models may be less durable if made from plastic

## **Precautions**

- Avoid dropping to prevent damage to bulb or lens
- Replace batteries promptly to avoid dim light
- Keep lens clean for optimal light output

## **HS / HSN Code**

- **HSN 9018:** Medical and veterinary instruments
- **HSN 85131000:** Portable electric lamps and flashlights

## 👉 Handling

- Hold firmly by the handle or body
- Switch off when not in use to conserve power
- Clean lens and body regularly with a soft cloth

## 🔥 Sterilization Details

- Wipe external surfaces with alcohol-based disinfectant
- Avoid immersing the torch in liquid

## 🐾 Veterinary Application

Used for close-up examination of animals, detecting wounds, infections, or abnormalities especially in low-light settings.

## 👨 Human Application

Essential for doctors and nurses to examine patients, particularly in areas with poor lighting or confined spaces.

## ? Frequently Asked Questions (FAQ)

### **1.What powers the hand torch for diagnosis?**

It can be battery-operated or rechargeable.

### **2.How bright is the light?**

Typically between 100-250 lumens.

### **3.Can the beam be adjusted?**

Some models offer adjustable focus; others have fixed beams.

### **4.Is it suitable for veterinary use?**

Yes, widely used in animal examinations.

### **5.How should I clean the torch?**

Wipe with alcohol-based disinfectant; avoid soaking.