

# INTELLIGENT HAND-HELD METAL DETECTION SYSTEM MODEL: HMD100



## Overview

Intelligent Hand-Held Metal Detection System/IHDS created by Polimek is a metal screening detection device, for the detection of prohibited metal products.

“INTELLIGENT” , is the typical characteristic relative to legacy walk through metal detectors. INTELLIGENT is powered by Patented “Metal Classification Detection” technology. It can intelligently identify, classify, and distinguish the metal contraband from the daily necessities, and only alarming the metal contra-bands.

## Key Features

- Intelligent Metal-classified detection and daily necessities filtering the everyday carry items such as mobile phones, watches, cigarettes, lighters, keys, coins, belt buckles and others illustrated as below, will be detected and distinguished.
- Contraband alarm based on metal classification detection and identification the detected contraband items will be identified and classified as five categories: “tools, knives and guns” , “aluminum cans” , “tinplate” , “copper/aluminum tube” and “other contraband” .  
The contraband alarm information will contain the metal material and shape, it will be displayed on the interface of LCD.



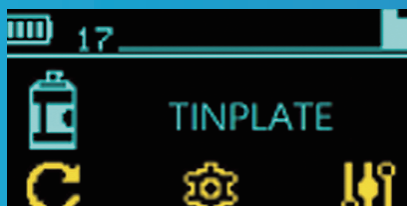
Cell Phone is detected



Cell Phone or aluminum is detected



Iron is detected



Tinplate is detected



Metal detected, not classified



Metal is detected, but not alarmed metal

- Intelligent Metal-classified detection and daily necessities filtering the everyday carry items such as cigarettes, lighters, keys, coins, belt buckles and others illustrated as below, will be detected and distinguished.  
Alarm for these items will be filtered, or set for “WARNING” .

- High Sensitivity and support long range detection (more than 10cm), no contact detection
- High resistance of interference
- Instant response of detection
- Multiple working modes are optional
- Support sensitivity-level setting

## Specification

Content	Specification
Allowed Passing Speed	5V
Working Power Voltage	3.7V
Physical Size	78mm*350mm*43mm
Detection Area Size	78mm*185mm
LCD Size	21.74mm*11.20mm(128*64pixel)
Standby Power Consumption	0.45W
Working Power Consumption	0.65W
Weight	310g
Working Environment	-20°C~45°C

## PRODUCT ILLUSTRATION

