

# Portable Explosives Detector

A highly sensitive portable system.

Touch Screen • <6 Second detection • Built in results printer  
• Network & USB Storage backup • for Mobile applications

## Introduction

- » IMS (Ion-mobility spectrometry) technology.
- » 2 Hour run-time.
- » Built in re-chargeable Lithium battery.
- » Less than eight seconds of identification time.
- » Advanced migration tube design ensures high resolution.
- » Automatic cleaning system.
- » Open database that can be customized by users to add/edit new types of explosives.
- » 2.8 inch TFT colour touch screen.
- » Unlimited Storage, USB port to output data.



## Basic Parameters

Identifiable Explosives	All military, commercial and improvised explosives, such as Black Powder, AN, TNT, DNT, Tetryl, PETN, Gun Power, NG explosive, RDX, Semtex explosive, C4.
Explosives And Drugs Samples	New samples can be added as needed
Startup Time	Less than 20 minutes
Analysis Time less than 6 seconds	Less than 5 seconds
False Alarm Rate	Less than 1%
Detection Rate	More than 99%

## General

Database	Can be upgraded with new as needed
Sampling method	Samples wipe with test paper, adsorption sampling
Data Storage	Text print or picture
Alarm	Audio and screen visual information
Display	2.8" TFT touch screen

## Electrical

Power Supply	AC110v or 220V ±10% (specify when ordering)
Power Adapter	Output 19V DC recharge of device
Battery parameter	Lithium battery: 14.8V 4400mAh

## Environmental

Operating Temperature	14°F to 131°F [-10°C to 55°C]
Storage Temperature	14°F to 122°F [-10°C to 50°C]
Operating Humidity	45% to 95% (non-condensing)
Working pressure	60kPa to 106kPa

## Physical

Size	470mm(W) x 170mm(D) x 175mm(H) 18.5"(W) x 6.7"(D) x 6.9"(H)
Weight	9.48lbs [4.3kg]

## Model Codes

RE-NTD2	Portable trace amounts of explosives and narcotics detector
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## CAD Dimensions

