

# HRA-3066

Handheld Raman Analyzer 1064nm



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

HRA-3066 is a set of 1064nm handheld Raman analyzer that is excel at fluorescence resistance suit to high fluorescence materials detection.

With compact size, lightweight (<1.2kg), and easy-to-held, it can be widely applied to industries of customs, public safety, lab, plant, warehouse, deck etc. It can fast detect drugs, precursor chemicals, explosives, gemstones, raw materials, and also fast identify additives, residues of pesticide & veterinary drugs.

Excellent spectral identification algorithm are embedded in Handheld Raman spectrometers to easily identify substance, and enable users to add their own spectral data. It employs Android system, simple interface, 5.5" high definition screen, double cameras of 13-mega plus 8-mega taking evidence pictures in the field, multiple modes of inbuilt WIFI, Bluetooth, GPS etc.

ATL provides full technical support and services, including spectral library building, method & verification, IQ/OQ/PQ validation etc.

Intelligent Mobile Instrument Available in Your Hand!

## ►► **Features**

- 1064nm Excitation, Reduced Risk of Fluorescence Interference
- Non-Destructive, Fast Detect & Identify, One-touch Operation
- Advanced algorithm, mixture detection
- HD 5.5" capacitive touch screen, smooth operation system
- double cameras of 13-mega plus 8-mega
- Barcode & QR scan
- Precision GPS positioning
- Multiple modes of 4G, GPS, GPRS, Bluetooth, WIFI
- Self-Built Spectral Library
- Test results report export pdf
- Built-in Li battery continuous operation 4-6hrs
- Lightweight (1.2 kg), easy-to-take
- IP-67

## ►► **Application:**

- Public Safety; Food Safety;
- Dangerous Chemicals Detect at High Speed Train, Metro Entrance
- APIs & Pharmaceutical Excipients
- Gemstones & Materials Identification, Mineral sorting
- Experimental Research
- Antique authentication

## ►► Specifications

Feature	Excel at Fluorescence Resistance		
OperateSystem	Android		
Excitation Wavelength	1064 ± 0.5nm		
Wavenumber Range	200-2800 cm <sup>-1</sup>		
Resolution	10-16cm <sup>-1</sup>		
Touch Screen	5.5", 1920×1080, Multi-point touch control		
Detector	TE cooled InGaAs		
Size	220×110×45mm		
Weight	1.2kg		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Library	<b>Item</b>	<b>Spectral Library</b>	<b>Application</b>
	HRA-3065	Self-built Spectral Library	Scientific Research
	HRA-3065DH	Pharmaceutical drugs : Heroin, Cocaine, Metamfetamine, Ketamin... Precursor: (-)-ephedrine, Chloroform, Diethyl ether... Explosives: TNT,RDX,TATP, Ammonium nitrate... Hazardous chemicals: Sulfate, Gasoline, Nitric acid, Toluene... Food Safety: Illegal food additives, residues of pesticide, veterinary drugs...	Police Customs Metro Court Prison Public Safety
	HRA-3065PH	APIs, excipients...	Pharmaceutical Factory
	HRA-3065GM	Gemstones : Diamond, Agate, Emerald...	Gemstones
	HRA-3066IN	Chemicals, Plastics, Rubber, Polymer, Synthetics	Industrial Application
Export Report	Test results report export pdf, txt including detect result, spectral info, evident pictures		
Battery	4-6 hour continuous operation		
Charging Type	USB Type-C		
Operating Temperature	-20 - 50°C		

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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