

(4th G) Handheld Raman Analyzer

ATR6500

Feature :

- 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 (450g) , 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;

Description :

ATR6500 is the 4th generation handheld Raman analyzer, with compact size, lightweight (450g), 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.

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

Intelligent Mobile Instrument Available in Your Hand!



Light Weight

450 g

ATR6500 System			
Operative System	Android		
Excitation Wavelength	785 ± 0.5nm		
Wavenumber Range	200-4000 cm-1		
Resolution	10 cm-1		
Touch Screen	5.5", 1920×1080, c		
Size	6.7"×3.1"×1.2"		
Weight	450g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Library	Item	Spectral Library	Application
	ATR6500	Self-built Spectral Library	Scientific Research
	ATR6500DH	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
	ATR6500PH	APIs, excipients...	Pharmaceutical Factory
	ATR6500GM	Gemstones: Diamond, Agate, Emerald...	Gemstones
Export Report	Export report including detect result, spectral info, evident pictures		
Battery	4-6 hour continuous operation		
Charging Type	USB Type-C		
Operating Temperature	-20 – 50 °C		