

4G Handheld Raman Analyzer

ATR6500

Features:

- 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 compliant

Application:

- Public Safety; Food Safety;
- Hazardous detect at High Speed Train, Metro Entrance
- APIs ,Pharmaceutical raw materials, excipients;
- Gemstones & Materials ID, Mineral sorting
- Experimental Research;
- Antique authentication;
- Minerals Sorting;

Description:

ATR6500CH is upgraded on the basis of ATR6500, and not only reserve the advantages of super thin, ultra-light, fast ID, but also make it rechargeable battery for field detection extending battery life. The toxic and hazardous gases alarm and readout altitude sensor.

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 Available in Your Palm!

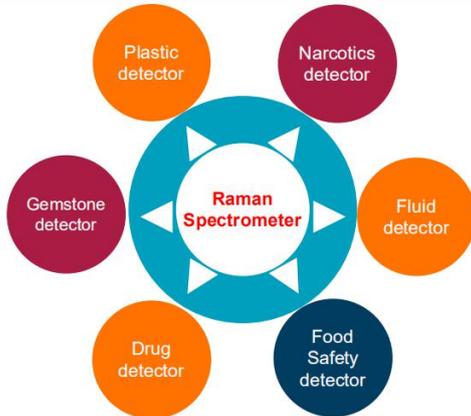


1 Performance

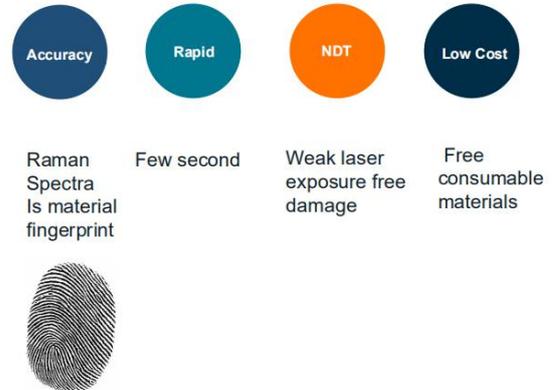
ATR6500 System Parameters			
Operative System	Android		
Excitation Wavelength	785 ± 0.5nm		
Wavenumber Range	200-4000 cm-1		
Resolution	10 cm-1		
Touch Screen	5.5", 1920×1080, Multi-Touch		
Size	172×85×30 mm		
Weight	450g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Model with Library	ATR6500	Self-Built Database	Scientific Research
	ATR6500DH	Pharmaceutical drugs: Heroin, Cocaine, Metamfetamine, Ketamin... Precursor: (-)-ephedrine, Chloroform, Diethyl ether... Explosives: TNT, RDX, TATP, Ammonium nitrate Hazmat: sulfate, gasoline, nitric acid, Toluene Food safety: Illegal food additives, residues of pesticide, veterinary drugs	Police Customs Metro Court Prison Public Safety
	ATR6500PH	Pharmaceutical raw materials, APIs, excipients...	Pharmaceutical Factory
	ATR6500GM	Gemstones of Diamond, Agate, Emerald...	Gemstones
	ATR6500IN	Chemical products, Plastics, Rubber, Polymer, Compound..	Industrial Application
Export Report	Reports format pdf, csv, txt of detect results, spectra, evident pictures		
Battery	4-6 hrs, replaceable battery for unlimited battery life		
Charging Type	USB Type-C		
Operating Temperature	-20 – 50 °C		

2 Application & Advantages

OPTOSKY Raman Spectrometer Series Categories



Advantages of Raman Spectrometer

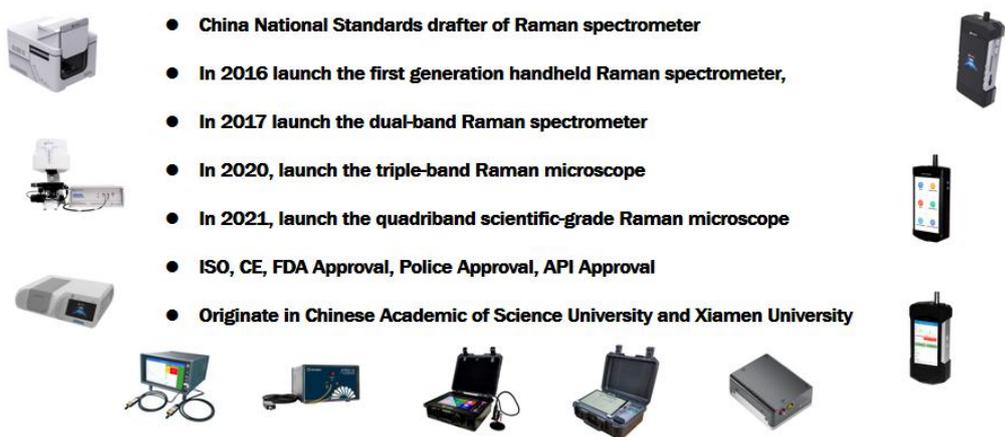


1 Raman Application & Advantages

3 Optosky Raman Technology Milestones

Raman Spectrometer Technology

- Focus on developing Raman spectrometer for 20-year.
- China National Standards drafter of Raman spectrometer
- In 2016 launch the first generation handheld Raman spectrometer,
- In 2017 launch the dual-band Raman spectrometer
- In 2020, launch the triple-band Raman microscope
- In 2021, launch the quadriband scientific-grade Raman microscope
- ISO, CE, FDA Approval, Police Approval, API Approval
- Originate in Chinese Academic of Science University and Xiamen University



2 Optosky Raman Spectrometer Milestones

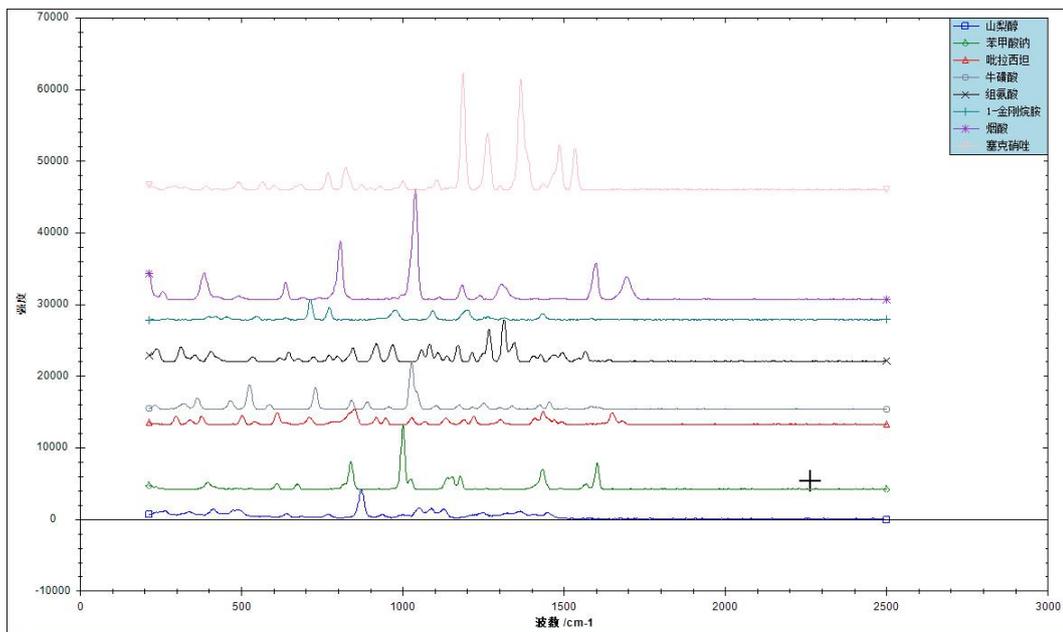
4 Raman Spectrometers Family

Raman Spectrometer Series

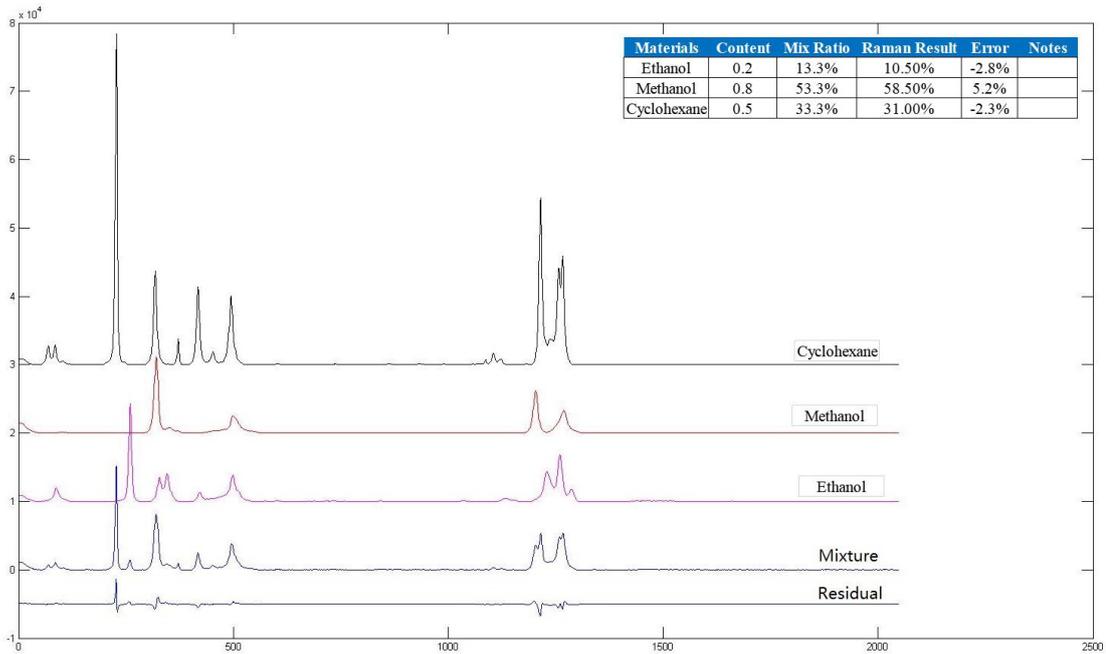
- Scientific-Grade Raman Microscope Quadriband ATR8800 Series**
- Triband Raman Microscope ATR8500 Series**
- Raman Microscope ATR8300 Series**
- High Troughput Raman ATR8000**
- Confocal Raman Microscope**
- Portable or Benchtop Raman**
 - ATR3110
 - ATR3000
 - ATR3000FD
 - ATR 3200
- Handheld Raman Analyzer**
 - ATR6600 Pro Super Speed 1064nm
 - ATR6600 1064nm
 - ATR6500CH 785nm
 - ATR6500CH 532nm
 - ATR6500 785nm
- Mini portable Raman**
 - Mini-Raman ATR1600
 - Tesching Raman ATR1200
 - Mini portable Raman ATR2500
 - Underwater Raman ATR3700

3 Raman Models Selection

5 ATR6500 Spectra Example

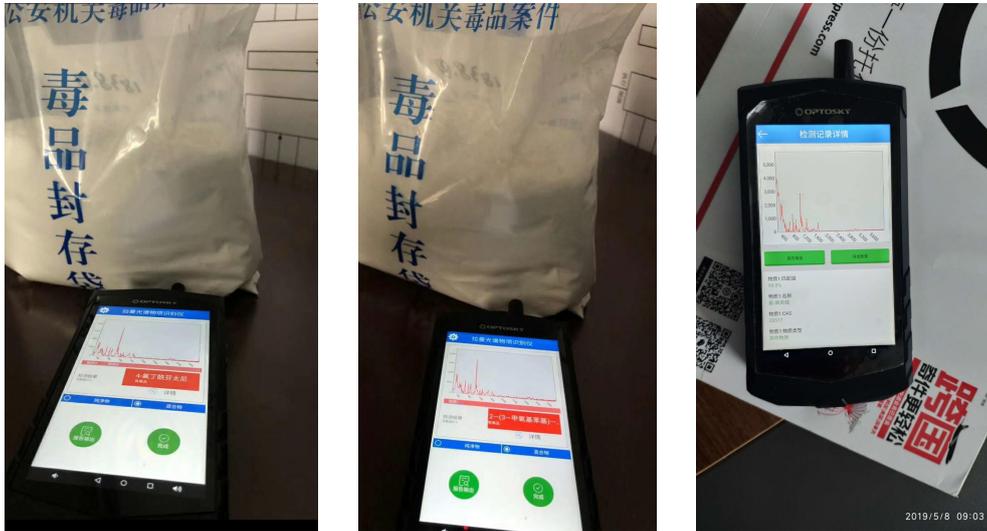


4 ATR6500 measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole



5 ATR6500 Mixture Spectra

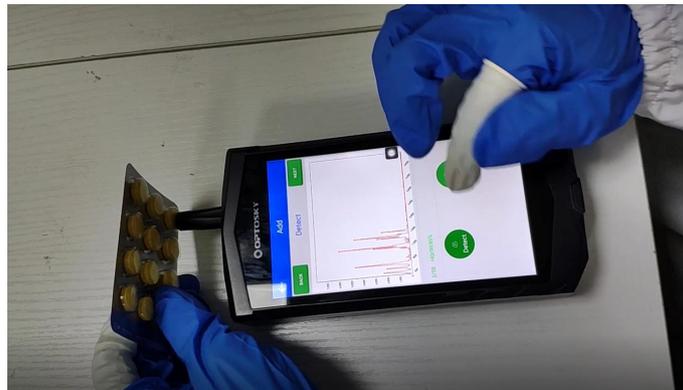
6 ATR6500 Field Pictures



6 ATR6500 pictures of narcotics ID in police station



7 ATR6500 ceramics ID



8 ATR6500 Pharmaceutical ID