Handheld Raman spectrometer

INOHRS-785

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;

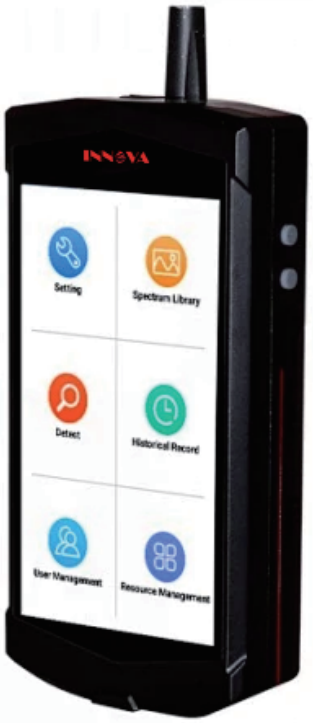
Description:

INOHRS-785 is upgraded on the basis of handRam, 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.

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

Intelligent Mobile Available in Your Palm!

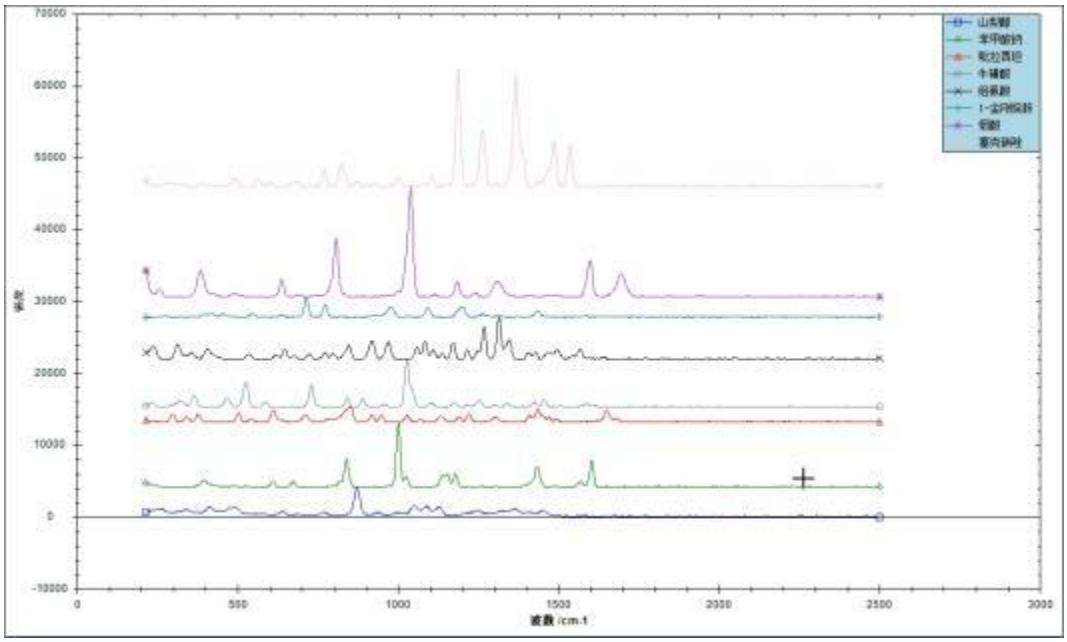


1 Performance

INOHRS-785 System Parameters			
Operative System	Android		
Excitation Wavelength	785 ± 0.5nm		
Wavenumber Range	200-4000 cm-1 or 100~3900cm-1		
Resolution	7 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	Model	Spectrum Library	Application
	INOHRS-785	Self-Built Database	Scientific Research
	INOHRS-785-DH	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
	INOHRS-785-PH	Pharmaceutical raw materials, APIs, excipients …	Pharmaceutical Factory
	INOHRS-785-GM	Gemstones of Diamond, Agate, Emerald...	Gemstones
	INOHRS-785-IN	Chemical products, Plastics, Rubber, Polymer, Compound..	Industrial Application
Export Report	Reports format pdf, csv, txt of detect results, spectra, evident pictures		
Battery	replaceable battery for unlimited battery life， standby times >72hrs;		
Charging Type	USB Type-C		
Operating Temperature	-20 – 50 ℃		

2 Applications

3 Spectra Example



INOHRS-785 measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole