

5G Handheld Raman Analyzer

ATR6500CH

Features:

- Replaceable Battery for unlimited life span;
- Various toxic and hazardous gases Alarm;
- Built-in altitude sensor read out;
- 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 (480g), easy-to-take
- IP-66 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, IO/OO/PO validation etc.

Intelligent Mobile Available in Your Palm!





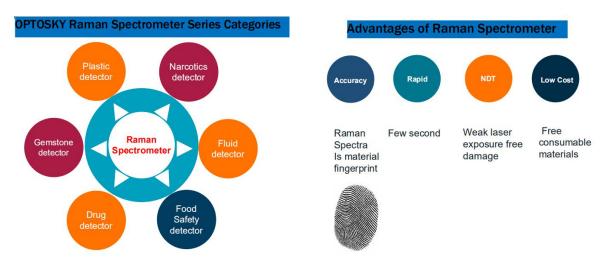


1 Performance

| ATR6500CH System Parameters | | | | |
|---------------------------------|---|--|---|--|
| Operative System | | Android | | |
| Excitation Wavelength | | 785 ± 0.5 nm | | |
| Wavenumber Range | | 200-4000 cm-1 | | |
| Resolutio | n | 10 cm-1 | | |
| Touch Scre | een | 5.5", 1920×1080, Multi-Touch | | |
| Size | | 172×85×30 mm | | |
| Weight | | <480g | | |
| Interface | ÷ | WIFI, USB Type-C, Bluetooth, GSM | | |
| Model Series& Application | Model | Library | Application | |
| | 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 | |
| | ATR6500IN | Chemical products, Plastics, Rubber, Polymer, Compound Etc. | Industrial Application | |
| Export Report | Export reports pdf, csv, txt including detect result, spectral info, evident pictures | | | |
| Battery | 4-6 hrs, replaceable battery for unlimited battery life | | | |
| Other Functions | Readout Altitude, Toxic and hazardous gases warning | | | |
| Charging Type | USB Type-C | | | |
| Operating Temperature | -20 – 50 °C | | | |



2 Application & Advantages



1 Raman Application & Advantages

3 Optosky Raman Technology Milestones

Raman Spectrometer Technology





- China National Standards drafter of Raman spectrometer
- In 2016 launch the first generation handheld Raman spectrometer,





- In 2020, launch the triple-band Raman microscope
- In 2021, launch the quadriband scientific-grade Raman microscope





Originate in Chinese Academic of Science University and Xiamen University















2 Optosky Raman Spectrometer Milestones



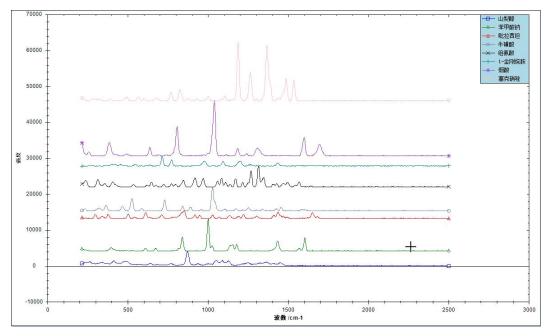


4 Raman Spectrometers Family



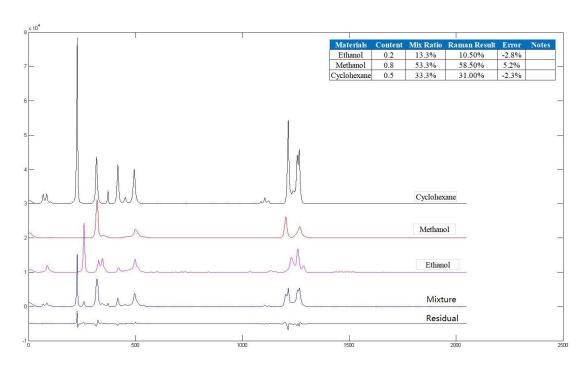
3 Raman Models Selection

5 ATR6500 Spectra Example



4 ATR6500CH measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole





5 ATR6500CH Mixture Spectra

6 ATR6500 Field Pictures





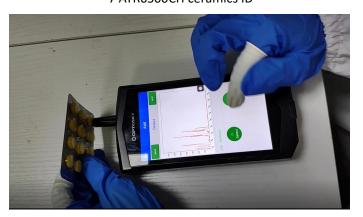


6 ATR6500CH pictures of narcotics ID in police station





7 ATR6500CH ceramics ID



8 ATR6500CH Pharmaceutical ID

7 Company Profile

Optosky company is a first-class spectroscopy solution provider, with the headquarter locates in the 7th floor of the research institute of the Chinese Academic of Science at an area of 2500 square meter in Xiamen city where successfully held the international 9th BRICK summit in 2017. The subsidiary company locates in Wuhu city with an area of 2035 square meters.

The company founder Dr. Hongfei, Liu graduated Docter degree from the Chinese Academic of Science and postdoctoral degree from Xiamen University, by integrating both of top Universities' spectroscopy technology background into Optosky company aiming at developing the leading spectroscopy equipment in the world.

The company bases on unique technologies of Optomechatronics, Spectroscopy Analysis, Process Weak Optical and Electrical Signals, Cloud Computing, and have been developed wide products line of the competitive Raman spectroscopy instruments, micro spectrometer, hyperspectral imager, field spectroradiometer, fluorescence spectroscopy, LIBS etc. Driven by

warranty.



advanced technologies and products, Optosky brand has been well-known to customers all over the world.

Optosky company base on technology innovation, market-driven direction, customer first, provides first-class products and services, and one-stop solutions to many fortune 500 companies in many industries. The company received praise from different industry companies, as well as many innovative intellectual properties, software copyright, qualification certification, and winner awards over hundred numbers.

Optosky receives top class A introduced the high-tech company to international Xiamen city, the national high-tech and new innovative technology company award. The founder Dr.Hongfei Liu receives the innovation talent award by the ministry of science and technology.

The company is currently conducting the exclusive project of major industrialization national oceanic administration with a total fund of five million us dollars. The company in charge of drafting national industry standard of VNIR and SWNIR Field Spectroradiometer, and six national standard drafters, including China National Standard Drafter for Hazmat detector based on Raman spectroscopy, China National Standard Drafter for Buoy-type Monitor eco-environment, China National Standard Drafter for water quality monitor in the unmanned boat, China National Standards drafter for online water quality monitor by spectroscopy, China National Standard Drafter for UV-absorbent measure fabrics.

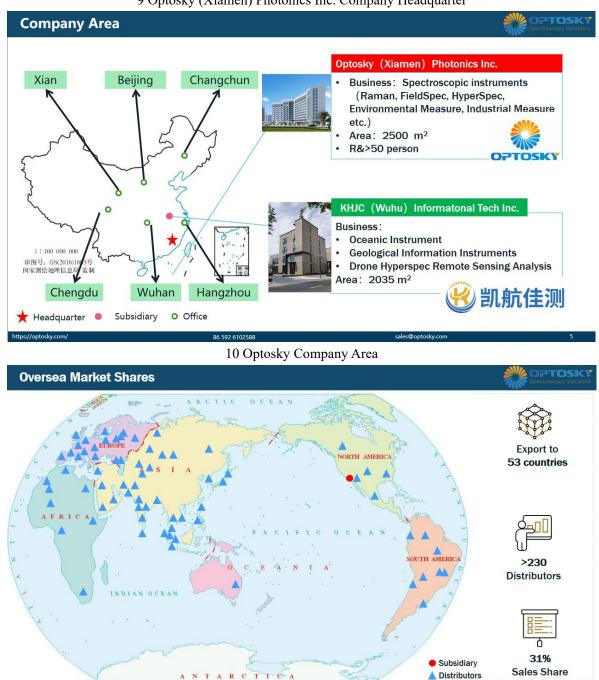
The company has over 70 IPs and over 20 innovative patents.

The company received ISO9001:2015 certification, CE certification, Police Administration Certification, FDA approval compliant, IQOQPQ compliant.





9 Optosky (Xiamen) Photonics Inc. Company Headquarter



11 Oversea Market Shares





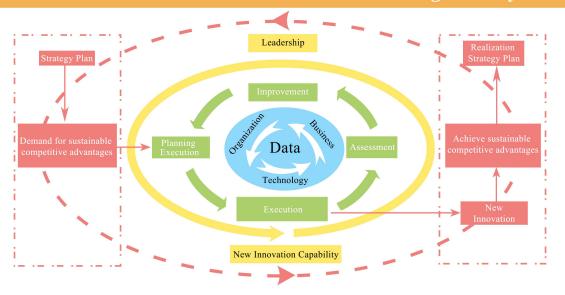
12 Optosky Chair and Draft National Standards Lists.



13 Qualification



Informationization & Industrilization Fusion Management System



14 GB/T 23001 Informationization & Industrilization Fusion Management System

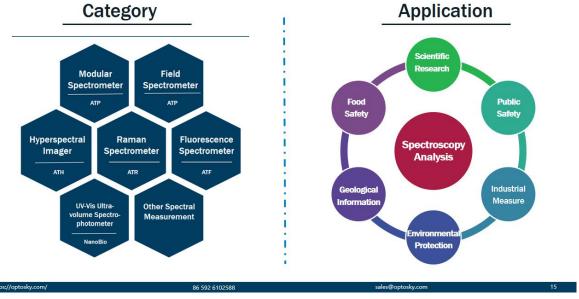


15 Optosky's Co-founder_Dr. Hongfei Liu

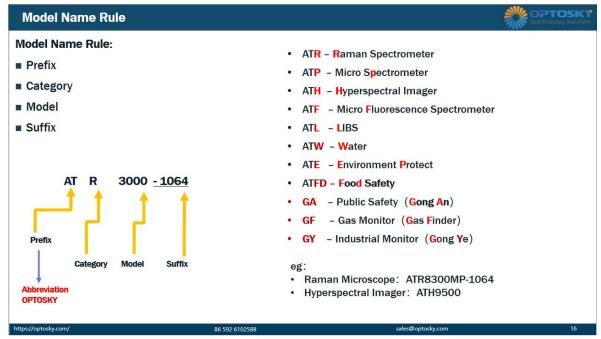


Category & Application





16 Category & Application



17 Model Name Rule

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