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Handheld Raman Analyzer

Description：

YKATR6500CH is upgraded on the basis of YKATR6500, 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.

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;

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- Test results report export pdf;
- Built-in Li battery and standby times >72hrs;
- 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;

System Parameters

YKATR6500CH 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	<480g
Interface	WIFI, USB Type-C, Bluetooth, GSM
Export Report	Export reports pdf, csv, txt including detect result, spectral info, evident pictures
Battery	Replaceable battery for unlimited battery life, standby times >72hrs
Other Functions	Readout Altitude, Toxic and hazardous gases warning
Charging Type	USB Type-C
Operating Temperature	-20 – 50 ℃