Electro Optical Components, Inc.

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DATASHEET
EOC-SI-R6500CH
5G Handheld Raman Analyzer

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：

EOC-SI-R6500CH is upgraded on the basis of EOC-SI-R6500. It not only retains the advantages of super thin, ultra-light, fast ID, but also provides a 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.

Full technical support and services, including spectral library building, method & verification, IQ/OQ/PQ validation etc. are availabale.

Intelligent Mobile Available in Your Palm!

480g

1 Performance

EOC-SI-R6500CH 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

Model Series& Application	Model	Library	Application
	EOC-SI-R6500	Self-Built Database	Scientific Research
	EOC-SI-R6500DH	• 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
	EOC-SI-R6500PH	Pharmaceutical raw materials, APIs, excipients...	Pharmaceutical Factory
	EOC-SI-R6500GM	Gemstones of Diamond, Agate, Emerald...	Gemstones
	EOC-SI-R6500IN	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 ℃