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1064 Defender Super Fast ID



ATR6600Pro is the most advanced new product launched by Optosky with 20 years of experience in developing Raman spectrometer. The 1064nm has the advantages of fluorescence resistance representing higher spectroscopy technology. Optosky's still one of few companies possessing such technology with the highest performance approved by the customers worldwide. ATR6600Pro uses a new design to attract attention by super-speed and ultra-light size, ATR6600 Pro upgrade ATR6600 to further speed up 4 times faster, which greatly improves operators working efficiency. This patent technology exclusively possessed by Optosky.

It features super-speed technology and lightweight, with a dimension of 199×99.8×39.5 mm and less than 950 g, and it is very convenient to carry. It can be used for rapid identification of drugs, precursor chemicals, explosives, jewelry jade, raw materials, and other materials passing the customs, public security, laboratories, workshops, warehouses, wharves, etc. And it can be used to quickly detect and identify additives, pesticide residues, veterinary drug residues in food.

ATR6600Pro has an excellent built-in Raman spectroscopy recognition algorithm, which can detect substances indiscriminately, easily identify substances, and build users' own spectral database. It adopts an Android system with a simple and clear interface, a 5.5-inch HD screen, and a high-definition camera of 13-mega pixels, which can record and detect the scene picture at any time, with built-in WIFI, Bluetooth, GPS, and other modules, which are simple and intelligent.

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

Public safety, food safety, pharmaceutical safety, rapid non-destructive testing, everything is in your control!

RAMAN INSTRUMENT

Features

Excel at Fluorescence Resistance

RAMAN SPECTROMETER SYSTEM PARAMETERS

Interface	WIFI, USB Type-C, Bluetooth, GSM
Operating System	Android
Operating Temperature	-20 – 50 °C
Weight	<950 g
Touch Screen	5.5 inches, 1920×1080, multi-touch
Export Report	Test results report export pdf, txt including detect result, spectral info, evident pictures
Battery	4-6 h continuous operation
Charging Type	USB Type-C
Library	abundant library and self-build library database. KnowItAll or ST Japan

RAMAN SPECTROMETER OPTICAL PARAMETERS

Resolution

8-15 cm⁻¹

RAMAN SPECTROMETER DETECTOR

Detector

TE cooled InGaAs

RAMAN SPECTROMETER LASER PARAMETERS

Laser Power	0-600 mW (Software adjustable)
Excitation Wavelength	1064 ± 0.5nm

PHYSICAL PARAMETERS

Size

220×110×45mm

FIELD SPECTRORADIOMETER

Spectral Range

200-2500 cm⁻¹

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