

(Fourth Generation) Handheld Raman Spectrometer Core Module

ATR6500-OEM

Features

- Excitation wavelength: $785 \pm 0.5\text{nm}$.
- Maximum output laser power: 300mW.
- Wide wave number range: $200\text{-}4000\text{ cm}^{-1}$.
- High resolution: 10 cm^{-1} .
- Ultra high sensitivity.
- Ultra small size and light weight.
- Very suitable for secondary development.

Application

- Raman spectrometer
- Raman combined with other instruments
- Online Raman Test

Description

ATR6500-OEM is the latest fourth-generation handheld Raman spectroscopy core module launched by Optosky Company. It contains laser, Raman probe, high-resolution spectrometer, CCD signal processing circuit, Android embedded circuit board, and high-definition capacitive touch screen optional, with features such as ultra-light, ultra-thin, small size, etc. Suitable for one-handed operation and very convenient to carry. It can be used in customs, public security, laboratories, workshops, warehouses, docks and other sites to quickly identify drugs, precursor chemicals, explosives, jewelry, jade, raw materials and other items. It can also be used for rapid detection and identification of additives in food, pesticide residues, veterinary drug residues, etc. .



ATR6500-OEM System parameters	
Laser wavelength	785 ± 0.5nm
Laser linewidth	0.08 nm
Maximum excitation power	300 mW
Wavenumber range	200-4000 cm ⁻¹
Resolution	10 cm ⁻¹
Communication Interface	UART
Weight	190 g
Operating temperature	-20-50 °C
Storage temperature	-30-65 °C