

1064nm Handheld Raman Spectrometer

ATR6600Pro

Features

- 1064nm Excitation, Reduced Risk of Fluorescence Interference;
- Non-Destructive, Fast Detect & Identify,
- One-touch Operation;
- Advanced algorithm, mixture detection;
- HD 5.5" capacitive touch screen, smooth operation system;
- 13-mega Camera;
- 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 lithium battery life: 4-6 hours
- Light weight (890 g), easy to carry
- IP-67

Description

ATR6600Pro is a set of 1064nm handheld Raman analyzer that is excel at fluorecence resistance suit to high fluorecence materials detection.

With compact size, lightweight (1150g), and easy-to-held, it can be widely applied to industries of customs, public safety, lab, plant, warehouse, deck etc. It can fast detect drugs, precursor chemicals, explosives, gemstones, raw materials, and also fast identify additives, residues of pesticide & veterinary drugs.

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, 13-mega camera taking evidence pictures in the field, multiple modes of inbuilt WIFI, Bluetooth, GPS etc.

Application

Public Safety; Food Safety;
APIs & Pharmaceutical Excipients;
Experimental Research;

Dangerous Chemicals Detect at High Speed Train, Metro Entrance
Gemstones & Materials ID, Mineral sorting



1. Parameter

ATR6600Pro System			
Feature	Excel at Fluorescence Resistance		
Operate System	Android		
Excitation Wavelength	1064 ± 0.5nm		
Laser power	0-500 mW (software adjustable)		
Wavenumber Range	200-2600 cm ⁻¹		
Resolution	12-16cm ⁻¹		
Optical path structure	Full free space optical path, no fiber insertion loss		
Touch Screen	5.5", 1920×1080, Multi-point touch control		
Detector	TE cooled InGaAs		
Size	220×110×45mm		
Weight	<900g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Model & Library	Item	Spectral Library	Application
	ATR6600Pro	Self-built Spectral Library	Scientific Research
	ATR6600ProDH	Narcotics drugs: Heroin, Cocaine, Metamphetamine, Ketamin ... Precursor: (-)-ephedrine, Chloroform, Diethyl ether ... Explosives: TNT,RDX,TATP,Ammonium nitrate ... Hazardous chemicals: Sulfate, Gasoline, Nitric acid, Toluene ... Food Safety: Illegal food additives, residues of pesticide, veterinary drugs	Police Customs Metro Court Prison Public Safety
	ATR6600ProPH	APIs, excipients ...	Pharmaceutical Factory
	ATR6600ProGM	Gemstones: Diamond, Agate, Emerald ...	Gemstones

	ATR6600ProIN	Chemicals, Plastics, Rubber, Polymer, Synthetics	Industrial
	ATR6600ProFTN	REMIFENTANIL, Brifentanil, Lofentanil, Trefentanil, Ocfentanil, Carfentanil, alfentanil, Mirfentanil, D5 FENTANYL-D5, ALFENTANIL HYDROCHLORIDE, SUFENTANIL CITRATE, Fentanyl Citrate, over 40 categories	Public Station
Export Report	Test results report export pdf, txt including detect result, spectral info, evident pictures		
Battery	4-6 hours		
Charging Type	USB Type-C		
Operating Temperature	-20 – 50 °C		