

# Replaceable Battery (4G) Handheld Raman Analyzer DTR6500CH

### Features!

Replaceable Battery for unlimited life span;

Various toxic and hazardous gases Alarm;

Built-in altitude sensor read out;

N on-Destructive, Fast Detect & Identify,

One-touch Operation;

Advanced algorithm, mixture detection;

HD 5.5" capacitive touch screen,

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 Ei battery continuous operation 4-6hrs

Lightweight (450g), easy-to-take

IP-66 compliant

# Application

A 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

◆ DTR6500CH is upgraded on the basis of DTR6500, 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.

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



#### Parameters

Operative System			Android		
Excitation Wavelength			$785 \pm 0.5$ nm		
Wavenumber Range			200-4000 cm-1		
Resolution			10 cm-1		
Touch Screen			5.5", 1920x1080, Multi-Touch		
Size			172x85x30 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			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°C		
				Application	
	DTR6500	Self-Built Database		Scientific Research	
Model with Library		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		Police	
	DTR6500DH Ex			Customs	
				Metro	
				Court	
				Prison	
			esticide, veterinary drugs	Public Safety	
	DTR6500PH	Pharmaceutical raw materials, APIs, excipients		Pharmaceutical Factory	
	DTR6500GM	Gemstones of Diamond, Agate, Emerald		Gemstones	
	DTR6500IN	Chemical products, Plastics, Rubber, Polymer, Compound Etc.		Industrial Application	

## PTOSKY Raman Spectrometer Series Categories

#### OPTOSKY Raman Spectrometer Series Categories



