

# GP550S

## 手持拉曼分析儀

### Handheld Raman Analyzer

GP550S手持拉曼分析儀，具備化學物質結構和組成的分析能力，可應用於藥物分析、食品假冒檢測、農藥殘留檢測、化工原料、生醫分析等領域，可以現場操作、程序簡單、檢測快速。



#### 適用對象：

生醫、食品、製藥、化工、軍警等產業之分析應用。

#### 產品特點：

- 內建785nm激發雷射150mW
- 寬廣的拉曼位移範圍(400cm<sup>-1</sup> ~ 3000cm<sup>-1</sup>)。
- 支援SERS量測(選項)。
- 系統內建拉曼光譜資料庫，使用者可自行擴充資料庫。
- 提供數據輸入、輸出、比對等功能。
- 非破壞性分析，系統反應快速。
- 樣品處理簡單快速，無須複雜的預處理。
- 系統操作簡單易學。
- 單機即可量測，無須連接電腦。

#### GP550S Specifications

Spectrum	Spectral range	400cm <sup>-1</sup> ~ 3000cm <sup>-1</sup>
	Spectral resolution	25 ± 5 cm <sup>-1</sup>
	Integration time	10ms ~ 20s
Laser	Excitation wavelength	785 ± 5nm (max. 150mW)
Interface	Storage	micro SD, USB2.0
	Battery	Li-ion battery × 1
	Display	4.3" TFT LCD touch panel (480 × 800 pixel)
	Machine size	155mm × 95mm × 60mm (L × W × H)

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## Handheld Raman Analyzer

GP550S handheld Raman analyzer with the analysis ability of chemical structure and composition. Apply to medicine analysis, food inspection, pesticide residues and chemical materials analysis field application.



### Applications: :

Analysis for health and medical, pharmaceutical, chemical, biotechnology and other industry.

### Features:

Internal 785nm laser with max. 150mW power.

Wide Raman spectral range ( $400\text{cm}^{-1} \sim 3000\text{cm}^{-1}$ ).

Support SERS measurement (optional).

Built-in Raman spectral database, also can create database by user.

Support data import, export and compare functions.

Nondestructive analysis with rapid measurement capability.

The measurement procedure is simple, without complex pretreatment.

Simply and easily operation.

System measurement design for stand-alone without computer.

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