

GP550N

Handheld Raman Analyzer

手持拉曼分析儀

GP550N手持拉曼分析儀，可應用於有機/無機材料的樣品分析和比對，具備分子結構定性分析與半定量分析能力。



適用對象：

食品、製藥、化工、生技等產業之分析應用。

產品特點：

- 內建405nm激發雷射60mW。
- 寬廣的拉曼位移範圍(400cm⁻¹ ~ 4000cm⁻¹)。
- 支援SERS量測。
- 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

GP550N Specifications

Spectrum	Raman shift range	400cm ⁻¹ ~ 4000cm ⁻¹
	Integration time	10ms ~10s
Laser	Excitation wavelength	405nm (max. 60mW)
Other	I/O interface	micro SD, USB2.0
	Battery	Li-ion battery × 1
	Display	4.3" TFT LCD touch panel (480 × 800 pixel)
	Machine size	155mm x 95mm x 40mm (L × W × H)



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Handheld Raman Analyzer

GP550N handheld Raman analyzer apply to organic and inorganic materials analysis and comparison, which can achieve qualitative and semi-quantitative analysis.



Applications :

Analysis for food, pharmaceutical, chemical, biotechnology and other industry.

Features:

Internal 405nm laser with max. 60mW power.

Wide range Raman shift ($400\text{cm}^{-1} \sim 4000\text{cm}^{-1}$).

Support SERS measurement.

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

Support data IO 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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