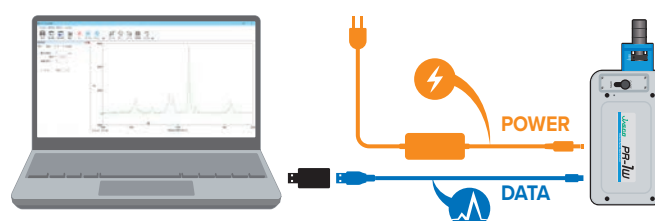


As secondary tool of Raman microscope system

Palmtop Raman Spectrometer *PR-1W*

Quick setup

No warm-up time is required, and stable measurements can be taken at any time by connecting to a PC and power adapter.



Connection to computer and power supply

Comparable with general-purpose databases and microscopic Raman data

General compact-size Raman spectrometers can only be compared with data measured with the same instrument due to insufficient wavenumber calibration accuracy and sensitivity correction. Palmtop Raman spectrometer can be compared with data from microscopic Raman and general-purpose databases.

Data Comparable Models



Instrument



Raman microscopy

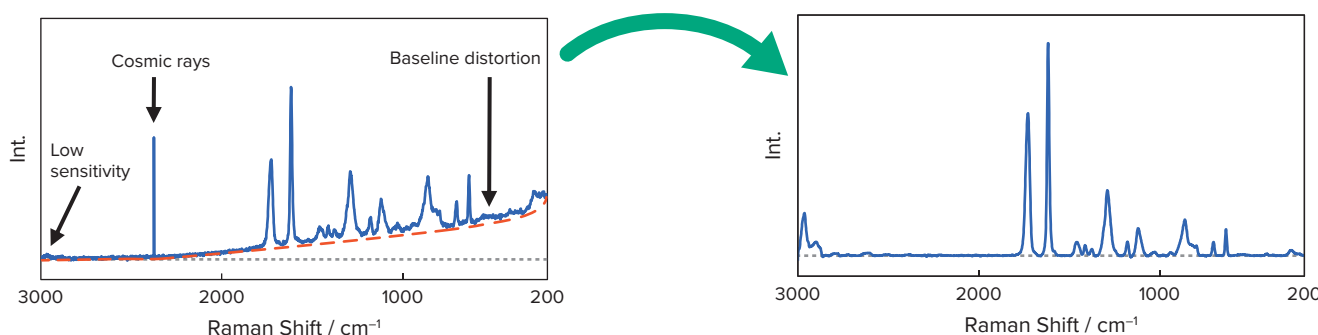


General-purpose database

Palmtop Raman spectrometer		○	○	○
General compact-size Raman		○	×	×

Real-time data processing function

The Raman spectrum may include artifacts such as cosmic rays, which appear as detector noise, low sensitivity at high wavelengths due to detector characteristics, and baseline distortion due to fluorescence and other effects. Real-time data processing function enables to correct these artifacts in the measurement data during the measurement.



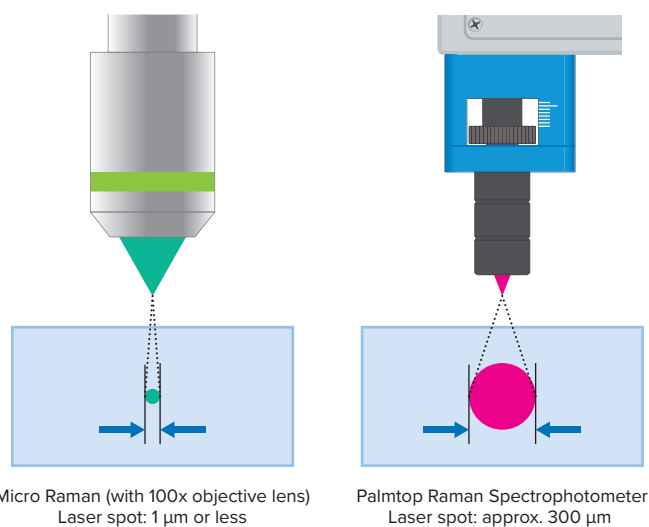
Comparison of Raman spectra before and after data processing

Why choose Palmtop Raman Spectrometer?

For bulk sample measurements

Raman microscope system includes a microscopic observation function, making it highly effective for measuring samples as small as $\sim 10\text{ }\mu\text{m}$, which are difficult to see visually.

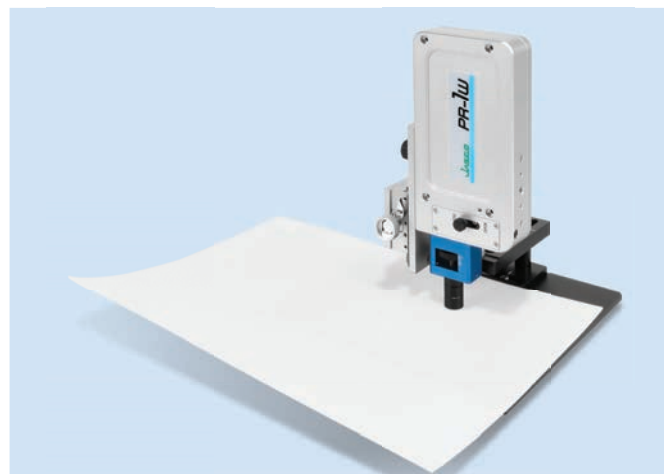
On the other hand, the palmtop Raman spectrometer has a larger laser spot compared to Raman microscope system, allowing for a wider measurement area. This is useful for measuring bulk samples, such as solutions.



Laser spot size at each device

For measuring large samples

Palmtop Raman spectrometer offers high accessibility, allowing for the measurement of larger or thicker samples.



Measurement layout when using Z-stage unit

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Products described herein are designed and manufactured by ISO-9001 and ISO-14001 certified JASCO Corporation

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