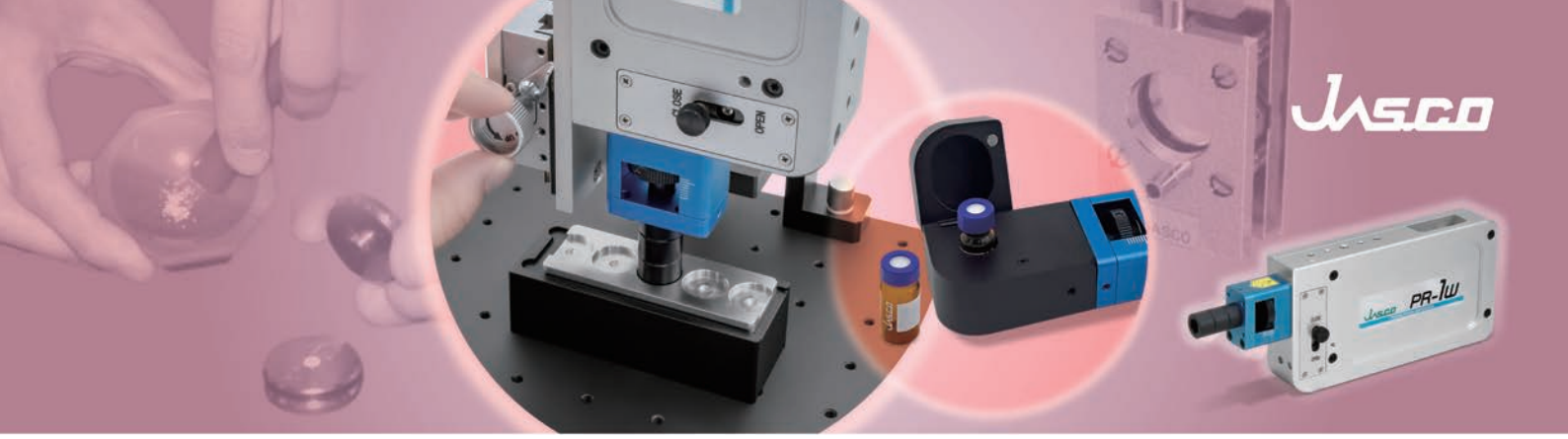


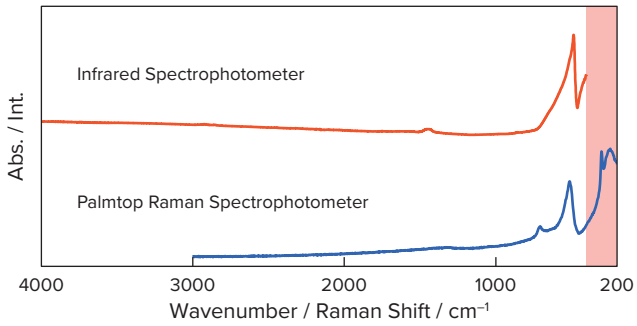
Easy solution

to the 'difficulties and troubles of FTIR'

Palmtop Raman Spectrometer PR-1w

Low wavenumber measurement capability for inorganic samples

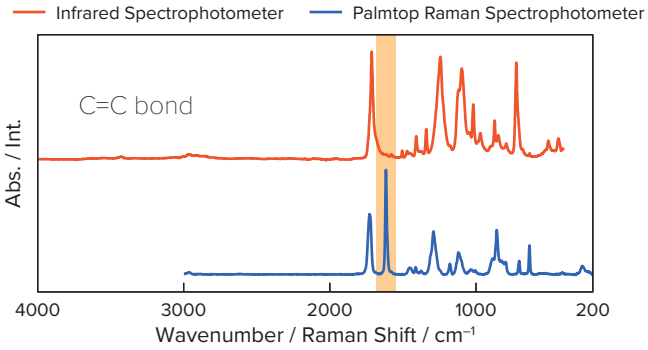
Raman spectroscopy has a wider measurement wavenumber range on the low wavenumber side than one of infrared spectroscopy.
The Palmtop Raman spectrometer can measure up to 200 cm^{-1}, which is useful for measuring inorganic materials such as ceramics.



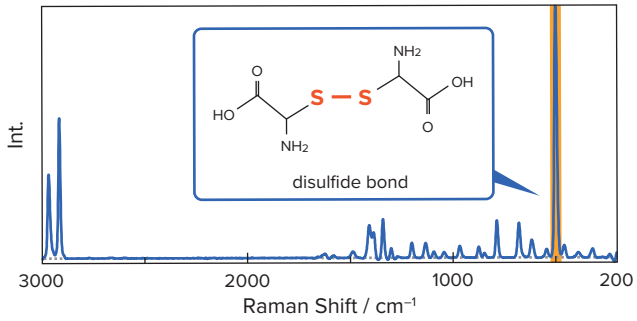
Infrared and Raman spectra of $BaTiO_3$

As complementary information of infrared spectroscopy

Raman spectroscopy shows strong peaks of skeletal vibrations such as C=C bonds and S-S bonds (disulfide bonds), which have weak peaks in infrared spectroscopy.



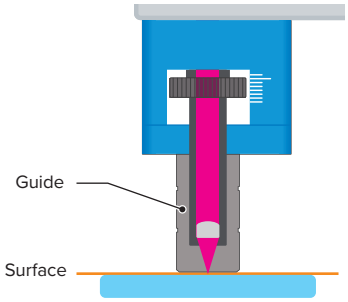
Infrared and Raman spectra of PET



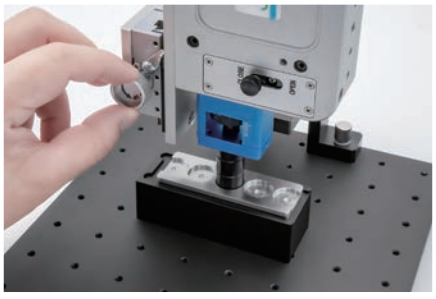
Raman spectrum of L-cystine

Measurement without pretreatment

Infrared spectroscopy generally requires sample preparation such as KBr tablet method.
Palmtop Raman spectrometer allows to measure samples without such pretreatment with ease and simple.



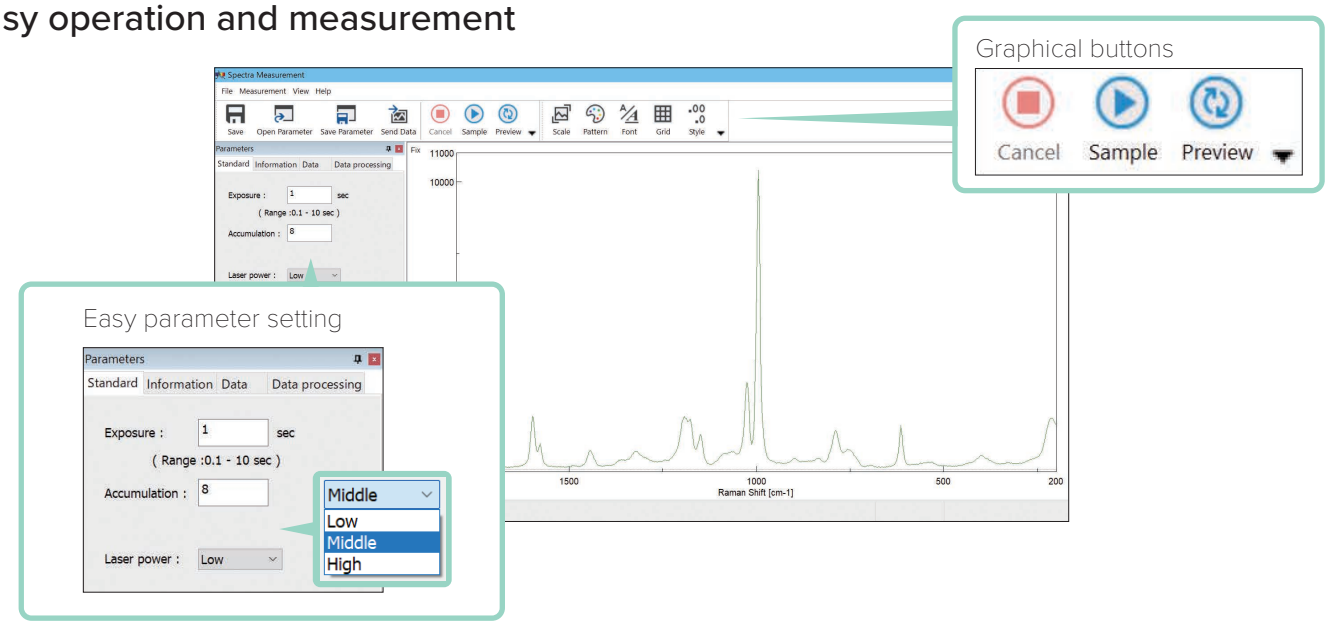
Schematic diagram
of Palmtop Raman spectrometer



Measurement using Z-stage unit

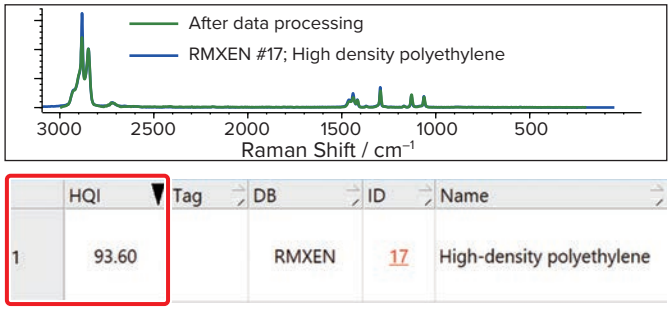
User-friendly interface ; Raman analysis

Easy operation and measurement



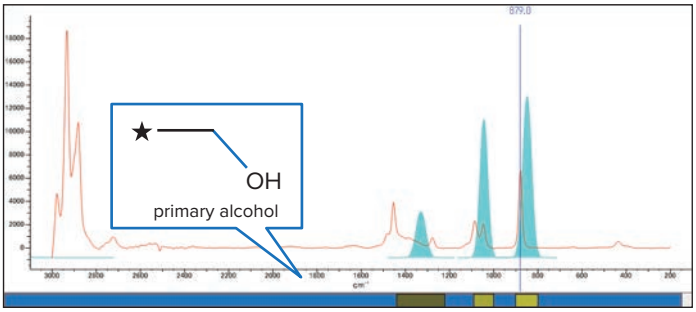
Support for sample identification of Raman spectra; KnowItAll

Wiley's KnowItAll enables qualitative analysis, and the AnalyzeIt™ function interprets the bands in Raman spectrum.



	HQI	Tag	DB	ID	Name
1	93.60		RMXEN	17	High-density polyethylene

Example of use in qualitative analysis



AnalyzeIt™

ISO-9001
ISO-14001
CERTIFIED

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

JASCO CORPORATION
2967-5, Ishikawa-machi, Hachioji-shi, Tokyo 192-8537 Japan
Tel: +81-42-649-5177 Fax:+81-42-646-4515
Web: www.jasco-global.com

6813-2412ENG