Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47
Россия (495)268-04-70
Казахстан (772)734-952-31

https://optosky.nt-rt.ru/ || otp@nt-rt.ru

Лучший рамановский микроскоп
Best Raman Imaging microscope

- ATR8300TW Series integrates two lasers, microscope, and Raman spectrometer, combining with all of the advantages to one miniature Raman microscope instrument. It becomes possible to see micro areas of samples on the computer screen with just a single mouse click. When the sample is visualized inaccurate position, the observer scan the Raman spectrum under various surface conditions and synchronous Mapping can be displayed intuitively on the screen in a click. As a result, it takes great convenience to detect micro areas of samples.
- Combine unique patented conjugate focusing(true confocal) system with accurate image processing algorithm, and it enables very small sample areas to be analyzed, as well as it requires minimal operator training and maintenance, yet resulting in uniform result, not just spectrum.
- ATR8300TW Series operate in all-auto focus, all-auto scan, one-button operate, it can run batches of the experiment, uniform scan, wait for no time can obtain highly reliable scanned imaging Raman data ;
- ATR8300TW is equipped with a tailor-made objective, and the laser spot on the sample becomes very close to the diffraction limit, then focal information can be displayed inaccurate and intuitive on the screen with a 5-megapixel camera. it improves Raman spectrum quality, as a result of overcoming the problem due to traditional Raman system collects Raman signal from the higher or lower actual focal surface.
- ATR8300TW solve signal loss in the optical path while camera imaging, it also separates camera imaging from Raman signal collection in order to obtain optimal signal intensity.
- Meanwhile, ATR8300TW installed the high-performance Raman spectrometer, which employs sensitivity, SNR, stability leading the industry level, in return provide a guarantee for Raman analysis.

RAMAN SPECTROMETER SYSTEM PARAMETERS

Interface	USB2.0
Power Voltage	532nm 100mW 633nm 100mW 785nm 500mW 1064nm 600mW
Microscope Camera System	5-mega industrial camera
Focus Type	True Confocal

RAMAN SPECTROMETER OPTICAL PARAMETERS

Spectral Range	Customized wavenumber range: 532nm 200-6000cm-1; 200-5000cm-1,200-3600cm-1,200-2600cm-1 633nm 200-4500cm-1;200-3750cm-1;200-2600cm-1;200-1700cm-1 785nm 200-4300cm-1; 200-3300cm-1;200-2600cm-1;200-1600cm-1 830nm 200-290cm-1, 200-2300cm-1, 200-1400cm-1 1064nm 200-2500cm-1
Resolution	532nm: 5-7cm-1 633nm: 3-6cm-1 785nm: 3-10cm-1 1064nm: 7-12cm-1

RAMAN SPECTROMETER LASER PARAMETERS

Excitation Wavelength	ATR8300TW-785+1064 ATR8300TW-532+633 ATR8300TW-532+1064 ATR8300TW-532+785 ATR8300TW-633+1064
Power Stability	σ/μ <±0.2%
Laser Spot Diameter	>1μm

X,Y-AXIS ELECTRONIC CONTROLLED PLATFORM

Moving Range	5 X 5 cm
Moving Resolution	0.1μm
Positioning Accuracy	1μm
Scan Speed	20mm/s

Z-AXIS（AUTO-FOCUS）

Focus Accuracy	≤ ±0.2μm
Max Range	20mm
Focus Speed	Less than 10 s

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47
Россия (495)268-04-70
Казахстан (772)734-952-31

https://optosky.nt-rt.ru/ || otp@nt-rt.ru