

По вопросам продаж и поддержки обращайтесь:

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Архангельск (8182)63-90-72	Кемерово (3842)65-04-62	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
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Благовещенск (4162)22-76-07	Краснодар (861)203-40-90	Пермь (342)205-81-47	Тюмень (3452)66-21-18
Брянск (4832)59-03-52	Красноярск (391)204-63-61	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
Владивосток (423)249-28-31	Курск (4712)77-13-04	Рязань (4912)46-61-64	Улан-Удэ (3012)59-97-51
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Иваново (4932)77-34-06	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54	Якутск (4112)23-90-97
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Иркутск (395)279-98-46	Ноябрьск (3496)41-32-12	Ставрополь (8652)20-65-13	
Казань (843)206-01-48	Новосибирск (383)227-86-73	Сургут (3462)77-98-35	
Россия +7(495)268-04-70	Киргизия +996(312)-96-26-47	Казахстан +7(7172)727-132	

VIR Series field-rugged and portable FTIR Spectrometer

A range of lightweight and easily transportable FTIR spectrometers. Including a hermetically sealed interferometer with anti-vibration technologies for demanding laboratory and field applications where a laboratory instrument may be unsuitable.

VIR Series Portable FTIR spectrometer

The VIR Series rugged FTIR spectrometer is compact and lightweight, making it easily transportable. The collimated entrance and exit ports make it an ideal instrument for a wide range of user-designed experiments. The standard instrument includes a hermetically sealed interferometer, DLaTGS detector, high intensity ceramic light source, KRS-5 windows and automatic alignment. Options are available for increased sensitivity, optional spectral ranges including NIR, and battery operation.



VIR Series rugged FTIR spectrometer shown with gas cell and microscope

System Features

- Three models: VIR-100, 200 and 300
- Operate with a laptop or desktop using Spectra Manager Suite
- 45 deg Michelson sealed interferometer with KRS-5 windows and light-weight gold-coated corner-cube mirrors
- DLaTGS detector (standard) MCT and InGaAs (Options)
- 'Learning' antivibration system for the moving-mirror for use in industrial environments
- Automatic locking moving mirror
- Accessories for ATR, transmission and diffuse or specular reflectance
- Customizable for in-situ measurements in factory or field locations
- Multiple configuration of up to three accessories on one spectrometer with external connection optics
- Universal optical base allowing users to build customized systems
- Eco-friendly system including sleep-mode as well as a compact & space-saving design
- High-speed monitoring with optional 40 Hz Rapid Scan
- Comprehensive self-diagnostics & validation
- USB connection (with optional USB to ethernet connection).

VIR Series Portable FTIR Spectrometers

VIR-100 General Purpose Mid IR Spectrometer

- General-purpose Mid-IR Spectrometer
- Spectral Range: 7,800 to 350 cm^{-1}
- Resolution: 0.9 – 16 cm^{-1}
- S/N ratio: 18,000:1 (DLaTGS)

VIR-200 High resolution Mid-IR Spectrometer

- High resolution and advanced anti-vibration technology
- Maximum resolution for both solids and gases
- Maximum resolution 0.4 – 16 cm^{-1}
- Spectral range: 7,800 to 350 cm^{-1}
- S/N ratio: 22,000:1 (DLaTGS)

VIR-300 NIR Spectrometer

- NIR interferometer for a wide range of near-infrared applications.
- Optional sampling systems include a fiber optic interface with sample probes and a range of diffuse reflectance accessories for quality control applications
- NIR configuration with CaF₂ beam splitter and halogen light source
- Spectral range: 15,000 to 2,200 cm⁻¹
- Maximum resolution 0.4 – 16 cm⁻¹

	VIR-100	VIR-200	VIR-300
Wavenumber Range	7,800 ~ 350 cm ⁻¹	7,800 ~ 350 cm ⁻¹	15,000 ~ 2,200 cm ⁻¹
Resolution	0.9 ~ 16 cm ⁻¹	0.4 ~ 16 cm ⁻¹	0.4 ~ 16 cm ⁻¹
S/N Ratio	18,000:1	22,000:1	4,000:1
Detector			
• Standard	DLaTGS	DLaTGS	DLaTGS
• Options	M-MCT, N-MCT, W-MCT	InGaAs, InSb, M-MCT, N-MCT, W-MCT	InGaAs, InSb, M-MCT, N-MCT, W-MCT
Beam Splitter			
• Standard	Ge/KBr	Ge/KBr	Si/CaF ₂
• Options	-	Broadband KBr	
Light Source			
• Standard	High-intensity ceramic light source		Halogen lamp
• Option	Halogen lamp (Auto switching)		High-intensity ceramic light source (Auto switching)
Interferometer	45° Michelson Interferometer with gold coated corner cube mirrors		
Purge	Included		
Drive Mode	DSP electromagnetic drive with Mechanical bearing	DSP electromagnetic drive, Mechanical bearing with self-learning DSP active control	DSP electromagnetic drive, Mechanical bearing with self-learning DSP active control
Rapid Scan	N/A	Option	Option
Communication	USB 2.0		
Dimension & Weight	270 (W) x 236.5 (D) x 245 (H) mm, 14.5 kg		

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