VacTechniche

Portable Raman

Portable Raman

VTM-785 P

785nm Excitation



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VacTechniche ltd

Comprehensive, Fast and always with you

Full option and User friendly control program

ABOUT Our
Company

VacTechniche is a leading provider of vacuum technology solutions. We offer a wide range of products and services, including vacuum pumps, vacuum components, and vacuum system design and engineering.
We are committed to providing our customers with the highest quality products and services.

WHY Choose
VacTechniche?

Choose **VacTechniche** for Raman products, and you'll benefit from our unmatched expertise, leading-edge technology, quality assurance, custom solutions, global reach, exceptional support, competitive pricing, and a proven track record. We're your partner for success in Raman spectroscopy."

Portable Raman
VTM-785 P 785nm Excitation



Our portable Raman spectrometers with 785nm excitation lasers offer the perfect blend of flexibility and precision. Compact and lightweight, they are your go-to solution for on-the-go a nalysis, whether in the lab or the field. The 785nm excitation wavelength ensures versatility, enhancing sensitivity for a wide range of samples. User-friendly interfaces and customization options make them easy to use for both experts and non-experts. Discover the power of portability and performance with our line of portable Raman spectrometers featuring 785nm excitation lasers. These instruments are ideal for real-time analysis, offering versatility and top-notch sensitivity for a wide range of applications. Whether you're conducting fieldwork, monitoring processes, or need quick lab results, our portable Raman spectrometers with 785nm excitation are your reliable and convenient solution for all your spectroscopic needs.

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Features and Application Area

VTM-785 P 785nm Excitation

Application Areas

- Materials Engineering
- Food & Beverage Quality Control
- Chemistry
- Pharmaceutic
- Biology
- Physics
- Protein & Nucleic Acid Analysis
- Volcanology
- Color Analysis
- Environments
- Nanotechnology
- Polymers
- Agriculture

- Fastest Sampling
- Large range of options
- All modes of microscopy, transmission and reflection illumination
- Extended Spectrum acquires
- Fiber optic coupling for convenient sampling
- Easy-to-use
- Portability for in-line, at-line, or laboratory analysis
- Customizable sample holders to accommodate any sample dimension
- Tight Optical Configurations
- Step by step, easy to follow quantitative

Services Available

- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support
- Guaranteed Warranty



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Portable Raman Specifications

VTM-785 P 785nm Excitation

Items		VTM-785P
Laser	Type	Diode Laser (CW)
	Wavelength (nm)	785
	Laser Power (at Probe) (mW)	350
Detector	Type	Hamamatsu
	Cooling	Up to -15 °C
	Signal-to-Noise Ratio	1000:1
	Dynamic Range	85,000
	Number of Pixels	1024 x 58 (Effective)
	Integration Time	15 ms - 10 min
Resolution & Range	Spectral Resolution (cm^{-1})	<5
	Spectral Range (cm^{-1})	220-3900 (Optional)
Dimensions (WxHxD) (cm)		24 X 33 X 31
Weight (Kg)		≈7
Computer Interface		USB 2.0
Power Requirements		12V DC @ 12 Amps (Optional Battery)
Power Consumption		120 W (without PC)

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VacTechniche
PROBLEM SOLVED

Specialists in vacuum technology, thin film material deposition systems, analytical research equipment, AFM, SEM thin-film coaters, bespoke scientific glassware and application consultancy.

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