

RSM-3785

Raman Microscope (Video)



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

The Raman Systems RSM-3785 Raman Microscope(Video) is an upright laboratory microscope that couples to a Raman Systems spectrometer (sold separately). The accessory is supplied with a Reflected Light, Brightfield Illuminator and with a USB Color Video Camera.

The RSM-3785 Raman Microscope(Video) works with the Raman Systems models RSM-3785 and RSM-3785 Pro spectrometers mating to the external fiber optic probe.

The USB Color Video Camera facilitates precise sample positioning of the laser spot from the Raman spectrometer onto a solid sample surface.

The RSM-3785 Raman Microscope(Video) is supplied with long working distance, infinite plan achromat objectives. The higher magnification objectives provide a smaller laser spot size.

►► Specifications

Model Number	RSM-3785	
Eyepiece:	Wide field 10X (22mm) binocular	
Objectives:	Infinity Corrected	
	Magnification	Working Distance
	4X	25.4 mm
	10X	11 mm
	20X	6 mm
	40X	3.7 mm
Sample Stage:		
Dimensions:	190 mm × 150 mm	
X-Y Range:	75 mm × 50 mm (manual)	
Focusing:	Coaxial coarse & fine adjustment	
	Fine focusing scale 0.002 mm	
Illumination:	Brightfield Kohler	
	12V 30W brightness variable	
Camera:	1.3 MP Color CMOS	
	USB2.0	
	C-mount	
	1.8 meter long USB cable	
	0.5X image reduction lens	
	0.01mm linewidth stage micrometer	
	Software CD	

►► ORDER CODES

- RSM-3785 for spectrometer models
RSM-3785; PRO-3785; PRO-3785E
- RSM-3532 for spectrometer model
PRO-3532
(spectrometers sold separately)

►► APPLICATIONS

- Anti-counterfeiting
- Carbon nanotubes
- Coatings
- Forensics
- Mineralogy
- Semiconductors
- Solar Cells
- SERS

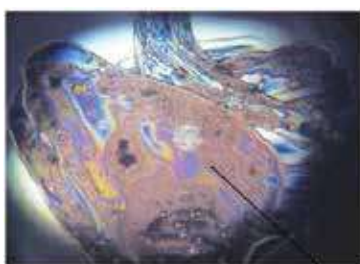
►► ACCEPTS STANDARD MICROSCOPE OBJECTIVES

Specifications:

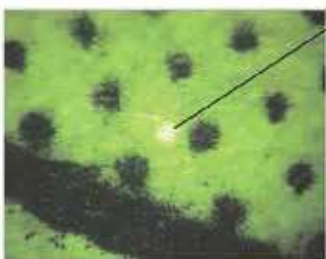
- Infinity corrected
- 45 mm parfocal distance
- RMS 20.32mm thread
- Metallographic (no cover slip)

►► ANALYZE NON-HOMOGENEOUS SAMPLES

The RSM Video Raman Microscope provides a video image of the laser spot on the sample area of interest.



Ink on Silicon



Paper

20X objective
White spot is the laser



RSM-3785 or RSM-3785 Pro spectrometer sold separately.

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
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