

Progeny

Discover the 1064 nm advantage for complete material identification



The Rigaku Progeny®

From the evolution of handheld spectroscopy comes Progeny – the first handheld Raman analyzer designed to be customizable and flexible for seamless integration into any work environment. Now you can perform lab-quality analysis of the widest range of solids, powders, liquids, and other substances to ensure consumer safety around the globe.

By integrating Progeny into the development of new applications or adaptation to current workflows, you can expect the ability to:

- Accurately analyze your materials through packaging
- Minimize the learning curve with a smartphone-inspired interface
- Increase confidence in your material ID with unparalleled sensitivity
- Measure a wide range of materials with interference-free data
- Expand your data transfer flexibility (LIMS, wireless, and docking station)

Progeny represents the latest in handheld Raman spectroscopy with its use of 1064nm laser excitation. Progeny delivers the greatest benefits to help streamline your workflow procedures, decrease costs, increase product quality, and bring products to market faster. This ultimately accelerates your return on investment, while meeting regulatory compliance.

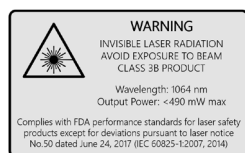


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Progeny specifications	
Size	29.9 cm x 8.1 cm x 7.4 cm (11.8 in x 3.2 in x 2.9 in)
Weight	1.5 kg (3.5 lbs)
Laser Wavelength/Max Power	1064 +/- 1 nm (0.3 nm line width, stability < 0.1 cm ⁻¹)
Spectral Resolution	~8-11 cm ⁻¹
Spectral Range	200-2500 cm ⁻¹
Spectrometer Type	Transmissive Volume Phase Grating
Detector	TE Cooled InGaAs - 512 pixel
Operating Temperature	-20°C to 50°C Intermittent, +40°C Continuous
Battery Type	14.4V Li-ion, 3100mAh, > 5hrs
Adjustable Laser Power	30-490 mW in 5 mW increments
Adjustable Exposure Time	5ms - 30s in 5ms increments
Intuitive Software	<ul style="list-style-type: none"> • Administrator created workflow methods specific to material ensures accurate analysis • Rapid addition of new materials to your custom on-board library • Truly 21 CFR Part 11 compliant digital signatures • On-board barcode scanner for error-free sample information entry • RigakuSync 3 provides an automated, secure data transfer method that can be used to back up data to a secure server location
Environmental Ruggedness	IP-68
4C Precursor Monitoring	•
Touchscreen	•
Adjustable Nose Cone (0mm -5.5mm)	•
Unique Accessories	<ul style="list-style-type: none"> • Docking station for easy data transfer to LIMS or Server • Adjustable focus vial adapter to accommodate your different vial sizes • Tablet adapter to accommodate different sized tablets and other sample types for increased flexibility
Additional Services	<ul style="list-style-type: none"> • IQOQPQ document and on-site validation services • Performance qualification and recertification services • Raw Material Identification Standard Operating Procedures documentation
Certifications	FDA 1040, 21 CFR, CE, ISO 9001:2008 Certified Manufacturing facility
Manufacturer Warranty	24 months



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