

Agilent Vaya Raman Raw Material Identity Verification System



Product description

Designed to be used in a GMP-compliant warehouse, the Agilent Vaya Raman system accelerates the identification test by enabling raw-material testing through transparent and opaque containers. Leveraging a patented optical design and algorithm, Vaya uses spatially offset Raman spectroscopy (SORS) technology to transform the reception of raw materials.

Vaya is a self-contained, handheld, battery-powered scanner. It includes a spectrometer coupled to a NIR CCD detector, and an 830 nm laser. With its aluminum shell, Vaya is built tough for extended use in warehouses or cold rooms. With its all-around protective rubber bumpers, tough screen, and keypad, it can withstand drops during operation with minimal sustained damage. It also comes with a hand strap to decrease user fatigue during prolonged use. After use, the user can easily clean the system with ethanol or a diluted bleach solution.

An embedded Wi-Fi dongle and a secured synchronization function ensure that generated data can easily be saved on a LAN and reviewed. Further integration into corporate data systems is possible via synced, LIMS-compatible XML files.

Vaya's embedded software includes an intuitive raw material ID-dedicated workflow and wizard-based identification method development for hassle-free deployment in a GMP environment. Performance qualification (PQ) tests can be enforced during and after batch analysis to demonstrate fit-for-use and pharmacopeia compliance. Method training and validation reports can be generated to demonstrate method specificity and compliance with regulatory requirements.

Agilent Vaya spectrophotometers are manufactured according to a quality system that is certified to ISO-9001.

WiFi for wireless data sync



SORS technology for ID through transparent and nontransparent containers

Intuitive and compliant software



Barcode scanner for easy data input

Technical Specifications	
Laser Excitation Wavelength	830 nm
Laser Power Output	Adjustable up to 450 mW (Class 3B)
Spectral Range	350 to 2000 cm^{-1}
Spectral Resolution	12 to 20 cm^{-1}
Stability Over 24 Hours	$<\pm 1 \text{ cm}^{-1}$
Power Supply	Lithium-ion battery pack >4 hours operation time
Operating Temperature Range	$-5 \text{ }^\circ\text{C}$ to $+35 \text{ }^\circ\text{C}$
Relative Humidity	Up to 95% noncondensing at $+30 \text{ }^\circ\text{C}$
Weight	1.86 kg with battery, 1.62 kg without battery (test piece fitted)
Size	257 × 127 × 60 mm (test piece fitted)
Barcode Scanner and Supported Barcodes	Most 1D and 2D barcodes
Connection	Wi-Fi (IEEE 802.11 WLAN) and Ethernet (IEEE 802.3/ RJ-45 via ethernet dongle)
Operating System	Windows 10 O.S.
Certification and Compliance	21 CFR Part 11, UPS <1120> and EP 2.2.48, USP<1058>, USP<1225>

www.agilent.com/chem/raman

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