Ω Metrohm

Metrohm Raman

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1   Purpose

This document describes features and known issues in MISA Cal software version 1.1.2.

2   Features

Topic	Description
Available language packs	- English - Chinese - Czech - French - German - Hungarian - Japanese - Polish - Turkish
Spectral math functions	Weighted spectral addition and subtraction, Averaging, Standard deviation
Service support	Allow scripts to be run for service support: - Remove irregular pixels - Remove old licensed libraries - Turn Bluetooth feature on / off
Viewing window data export	Modifications made to the viewing window (e.g., spectrum baseline, normalization, peak locations) can be exported in csv format
SERS Match	SERS match is shown in results screen
Custom Raman and SERS libraries creation	Ability to create, save and export custom Raman and SERS libraries
Custom Raman and SERS operating procedures creation	Ability to create, save and export custom Raman and SERS operating procedures

Topic	Description
Group viewing / Spectral overlay	Permits simultaneous viewing of large amounts of data
Spectrum locking	The active spectrum can be locked to allow overlays in different viewing windows
Dark theme	Theme with dark background
Data searching and filtering	Ability to filter and display data by Hazard level, Sample type, Operating procedure, Instrument serial number, Date, and Result match
Libraries	Supports the following updated SERS libraries: ■ 66071670 MISA Dyes v.39 ■ 66071676 MISA Pesticides v.7 ■ 66071672 MISA Food Additives v.5 ■ 66071674 MISA Illicit Materials v.9

Operating Systems	Supports the following Operating Systems:
	
	■ Windows 10
	■ Windows 11
	System requirements (in addition to the Windows 11 system requirements):
	  – Storage: 100 GB minimum, 500 GB recommended
	  – USB connectors: USB 3.0
	  – Note: Only use the provided Metrohm USB cable (6.021.08010), do not use third party USB cables. The usage of a powered USB Hub is recommended
	  – Mouse and keyboard: Required, USB, PS/2 style, or wireless
	  – Screen resolution 1024 × 768 or higher
	  – System backup: Network or local backup required for data archiving

3 Known issues

- Does not support acquisitions with Raster turned off