

MolecularDevices SpectraMax



Manufacturer: Molecular Devices Corporation
Model Number: Molecular-Devices-SpectraMax
Web Address: www.moleculardevices.com

The SpectraMax M5e Multi-Mode Microplate Reader delivers single-mode reader performance in one multi-mode reader package. The dual monochromator optics allow the widest range of applications to be utilized for bioresearch and drug discovery applications, all without the need to change filters. The SpectraMax M5e Microplate Reader possesses the five modes preferred by the majority of our users providing the benefit of multiple detection modes in one platform: UV-Visible Absorbance (Abs), Fluorescence Intensity (FI), Time-Resolved Fluorescence (TRF) including CisBio HTRF Certification, Fluorescence Polarization (FP) and Glow Luminescence (Lumi).

Plate Reader: Commands

- **CloseDocument()** - Closes the current document. If the data has not been saved, the document is closed anyway without user warning.
- **CloseDrawer()** - Closes the instrument drawer.
- **ExportAs(filePath)** - Exports data in the standard SoftMax Pro format to the specified file.

filePath	String	File path for the exported file.
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- **NewPlate()** - Creates a new plate section within the current experiment.

- **OpenAssay(filePath)** - Opens a protocol file.

filePath	String	File path for the protocol file. The file should be in SoftMax Pro Protocols folder if the full file path is not specified. Protocols can also be stored in subdirectories of the Assay folder. SoftMax Pro appends ".ppr" to any file name passed in.
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- **OpenDocument(filePath)** - Opens a a new document (i.e. data file). The file should be in SoftMax Pro application folder unless the full file path is specified.

filePath	String	File path for the document.
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- **ReturnStatus()** - Returns the current instrument status. This command can be sent to check whether the instrument is busy or reading or staying idle.

- **SetPort(portNumber)** - Tells the SoftMax Pro to use the specified serial port.

portNumber	Integer	Serial port number.
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- **SetTemp(temperature)** - Sets the current instrument incubator

temperature.

temperature	Float	Instrument incubator temperature.
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- **ShakeOn()** - Starts shaking the microplate tray.
- **ShakeOff()** - Stops shaking the microplate tray.
- **TrayLockOn()** - Keeps the microplate tray locked inside the instrument after the read.
- **TrayLockOff()** - Releases the microplate tray lock inside the instrument after the read. The tray also comes out.

Reader Error

 **ReaderError(alarmCode, description)** - Error occurred during command execution.

alarmCode	Integer	Error code.
description	String	Error description.

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