

MolecularDevices Gemini



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

The Gemini XPS Fluorescence Microplate Reader uses dual monochromators for variable wavelength selection between 250 nm and 850 nm to eliminate the need for searching out the right pair of excitation and emission filters. Dual monochromators also enable wavelength scanning across a range of wavelengths in increments as small as 1 nm to optimize assay parameters. The Gemini XPS Microplate Reader can measure up to 4 wavelength pairs for endpoint and kinetic measurements and offers well scanning to report a fluorescent measurement from a single point in the center of a microplate well to multiple points across a tissue culture well. Microplate sizes from 6- to 384-well can be read on the Gemini XPS Microplate Reader.

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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