

BMG POLARstar Omega



Manufacturer: **BMG Labtechnologies**
 Model Number: **BMG-POLARstar-Omega**
 Web Address: www.bmglabtech.com

POALRstar Omega is a multifunctional microplate reader that can perform a wide variety of applications for fluorescence intensity, time-resolved fluorescence, absorbance and luminescence. It can measure in the fluorescence polarization mode.

Plate Reader: Commands

- **User(userName, dataPath, rootDirectory, runOnly)** - Login to the instrument as the specified user.

userName	String	Name of the user as defined in the Omega user database.
dataPath	String	Absolute path which points to the directory where the measurement data of runs performed by this user should be stored. The path is usually: C:\Program Files\BMG\Omega\username\data.
rootDirectory	String	Absolute path which points to the root directory for this user. The path is usually: C:\Program Files\BMG\Omega\username'.
runOnly	String	If this parameter is 'True' the user will be logged in without permission to change test protocols.

- **PlateIn()** - Moves the plate carrier into the instrument.

- **PlateOut(mode)** - Moves the plate carrier out of the instrument.

mode	String	'Normal' - normal plate out movement. 'Right' - plate movement to the right-hand side.
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- **Run(testName, definitionPath, dataPath, plateId1, plateId2, plateId3)** - Start running the protocol.

testName	String	Name of the particular test as defined in the Omega control program.
definitionPath	String	Absolute path which points to a directory where the test run definitions are stored. The path is usually: C:\Program Files\BMG\Omega\User\Definit.
dataPath	String	Absolute path which points to a directory where the measurement results are stored. The path is usually: C:\Program Files\BMG\Omega\username\data
plateId1	String	First plate identifier for the current run.
plateId2	String	Second plate identifier for the current run.
plateId3	String	Third plate identifier for the current run.

- **ResetError()** - Changes the status of the server to 'Ready', 'Busy' or 'Running', and deletes the last error message.

- **GetVersion()** - Retrieves the version of the BMG Remote Control

ActiveX component.

- **GetStatus()** - Retrieves the current status of the instrument.
- **OpenConnection(name)** - Starts the ActiveX server under the specified name.

name	String	Name of the BMG LABTECH reader control program to be used as ActiveX server, e.g. 'Omega'.
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- **CloseConnection()** - Initializes the reader and then closes the reader control program and terminates the ActiveX server.

Error

- **error(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the instrument
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