
Optics Focus Instruments Co., Ltd.

Functions Reference

ActiveX Control for Monochromator 7IMS Series

Please register 7IMSU.ocx, MSCOMCTL.OCX and MSCOMM32.OCX by selecting Start»Run as administrator and typing in regsvr32 followed by the full path to the .ocx file. (for example, regsvr32 c:\7IMSU.ocx)

Please select IMSUocx.IMSU from the ActiveX Object list when you insert the ActiveX Object.

A. Properties:

1. IntUseCom Integer

Description: Get or set the using serial port number. NO.1 to NO.16.

2. BlnBusy Boolean

Description: Get the working status. True: Can't operate. False: Can operate.

3. BlnMonConnectFlag Boolean

Description: Get the connection status. True: Successfully connected. False: Not connected.

4. DblMonoWaveLen Double

Description: Get the current wavelength.

5. DblOpenPos Double

Description: Get or set the initial wavelength.

6. LngInstrumentNo String

Description: Get the serial number of the monochromator.

7. IntGratingLines Integer

Description: Get the grating lines of the monochromator.

8. LngZeroPos Long

Description: Get the offset value of the zero position for aligning the optical zero position.

9. IntSpeed Integer

Description: Get or set the speed. 1 to 250.

10. DblMonoStep Double

Description: Get the pulse equivalent (get the wavelength of a pulse)

B. Functions:

1. OpenCom()

Description: Open the serial port, connect to the monochromator and read parameters.

2. CloseCom()

Description: Close the serial port and disconnect to the monochromator.

3. MonochromatorMoveTo(dblWavelen)

Description: Move to the assigned wavelength (dblWavelen) at the speed set by IntSpeed.

4. ShowParaFace

Description: Show and set the parameters of the filter wheels.

5. ShowRunFace

Description: Show the operation interface of monochromator.

6. LoadParameter

Description: Load the parameters of monochromator.

7. SaveParameter

Description: Save the parameters of monochromator.