



Jasco Digital Polarimeter SOP

These instructions will show the user how to collect Optical rotation data on their samples. Currently we have two sample cells, one has a 50mm path length and the other has 100mm path length. Either of these cells may be checked out from me. The instrument is set to a frequency of 589nm. Other values are available, but filters and lamps will need to be purchased.

In this instruction set, I will be using the following conventions:

<i>Italicized</i>	Typed keyboard entry in appropriate window
Boldface	Click on the item with the left mouse button
	Item may be a menu entry or button on dialog window

OPERATING INSTRUCTIONS

LOG ON TO INSTRUMENT

Move mouse to activate screen

LOGIN: *Username*

Log User into the Instrument Facility system

PASSWORD: *Password*

OKAY

START HARDWARE AND SOFTWARE

Push the On/Off button

Lower left corner of Console

SpectraManager

Single Click Program starts

Standard Measurement

Double Click Start data collection module

If needed

Polarimeter Analysis

Double Click Start analysis module

COLLECT DATA

Measure

Select Measure in the Menu

Parameters

Select parameters from Dropdown Menu

Change values as needed

Source

WI Do not change

D.I.T

Length of Sample time

Cycle Time

Numbers of reads to take

Cycle Interval

Time between reads if Cycle Time > 1

B ICON

Collect Baseline sample – Sample cell should hold only solvent

Measure

Start measurement

S ICON

Collect Sample Data

Sample Name

Enter Sample name

Comment

Enter Comment

Measure

Start measurement

Start Button

Same as S-ICON but does not ask for input

SAVE DATA

File

Save(as)

Select File in the Menu

Save data in proprietary format (Read only by this software) Data may be reviewed using Polarimeter Analysis program

Export

Save data as ASCII text file (Read by other programs such as EXCEL)

SHUTDOWN and EXIT

File

Select File in the Menu

Exit

Select Exit from Dropdown Menu

Program

Select Program in the Menu

Push the On/Off button

Lower left corner of Console

Log Out

Log off instrument

DISK POLICY for the Jasco Digital Polarimeter

Disk Storage:

35.0 GBytes Available Storage

This data is mirrored on the NMRNET Server every 15 minutes Data will remain on this disk for 90 days after which it will be deleted

Server Storage: 12.5 GBytes Total Storage

The data will stay on the server for 90 days after which it will be either deleted or sent to an archive location at the group advisor's decision.

Your data may be retrieved from the Facility Server using the FTP program on your computer.

The parameters are:

Hostname: nmrnet (nmrnet.usc.edu for off campus access)

Username: 'Group name'

Password: 'Group password'

Data: nmrdata\username\POLARIM

Make sure to do a binary transfer.