

General:

This Field Bulletin describes how to download analysis data stored in a 256 to a demonstration version of the PolyMate Analyzer Support Program

Once downloaded, PolyMate allows the user to view spectral data, identify peaks, harmonics, annotate graphs, etc. The user can also print high resolution copies of the data or copy spectral graphs to other documents. The demonstration version of PolyMate does not permit saving this data for reuse. Once the data has been cleared from the 256 memory or card, it is gone and cannot be recovered.

Requirements:

- Familiarity with the operation of the 256 Field Balancing Instrument.
- 256 CD-ROM, E46970, with the PolyMate Demonstration Program on it.
- IBM compatible computer with CD-ROM Drive and serial port. Operating systems: Win95, Win98, ME, NT, 2000, XP.
- Serial Port Communication Cable. 9 pin DB9 Female to 9 pin DB9 Female.

Procedure:

1. From the 256 CD ROM, Select **PolyMate Demo Software** and run the program PolyMate.exe. Close the PolyMate Welcome Screen.
2. On the 256, set the baud rate to 19200. This is done on the Instrument Setup screen.
3. Quit the 256 Instrument Setup screen.
4. Connect the Serial Port Communication Cable between the PC and the 256 serial communication ports.
5. Unload data from the 256,
 - a. In PolyMate, select the F5 key or select File then Data Collector Interface.

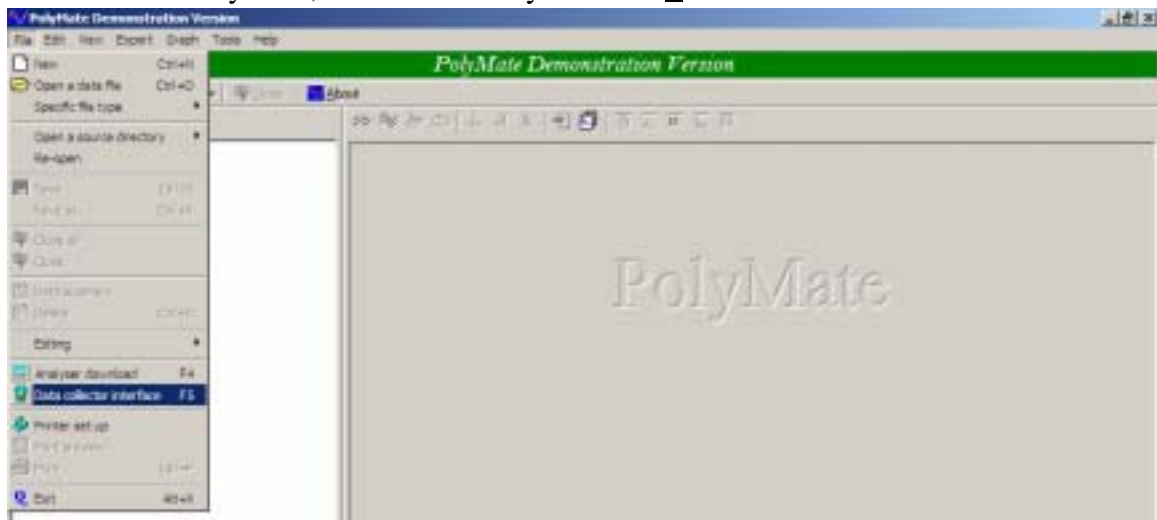


Figure 1 - PolyMate Download Selection for 256

- b. The Data Collector Interface window will appear.

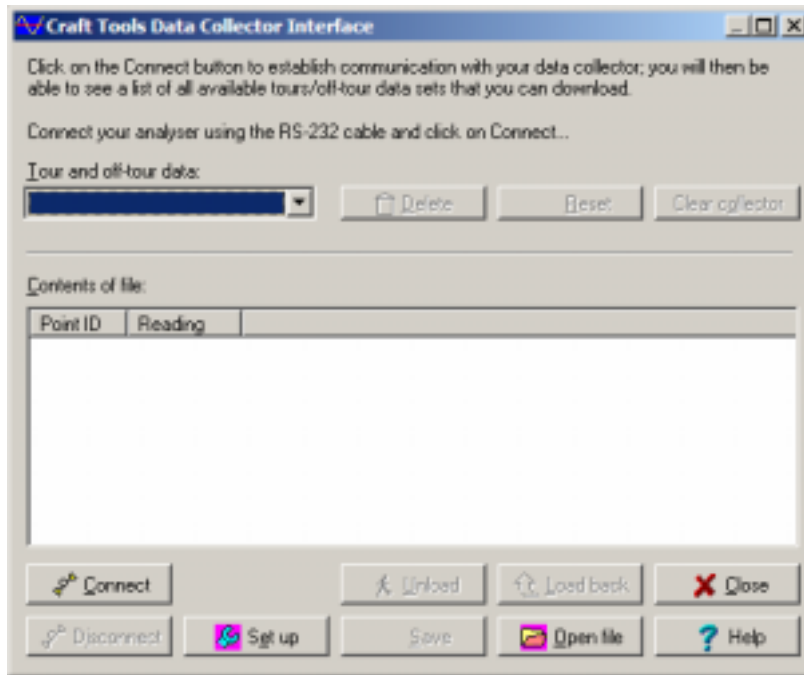


Figure 2 - Data Collector Interface Window

- c. Select the Connect button. PolyMate will attempt to connect to the 256. At the 256, a Comms window will appear indicating that it is communicating with PolyMate.
- d. Select the pulldown menu “Default Route (offtour data)”. Note that there are two possible selections for this. The first one is for data stored in the



Figure 3 - Data from Internal Memory



Figure 4 - Data from PCMCIA card

internal 256 memory, the second is for data stored on the PCMCIA card. Select the desired source, then select the Unload button. When the

transfer is complete, select the Close button. PolyMate will ask if you want to disconnect communications and close the window- answer Yes. It will then tell you that the data has not been saved and ask if you want to save it back to PolyMate- answer Yes.

6. PolyMate should show the data points that have been downloaded from the 256, see Figure 5.

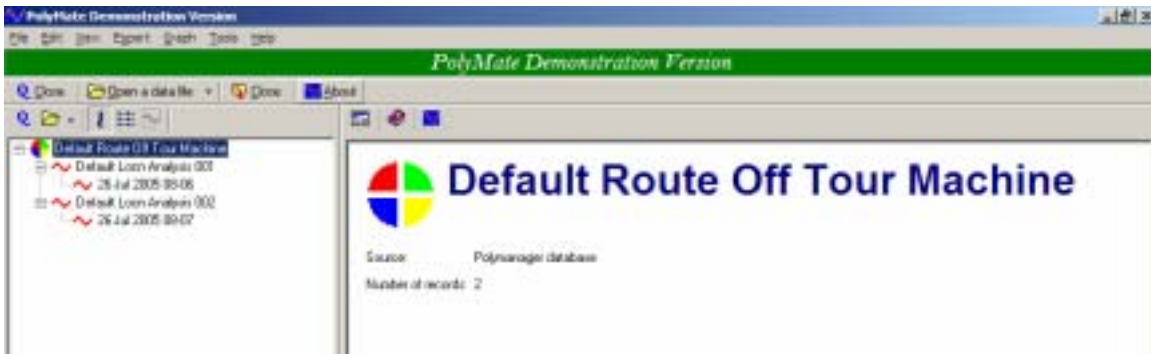


Figure 5 - Unloaded 256 Data Points

7. Select one of the points, then change to graph view (Menu, View, Graph) or select the graph Icon from the toolbar.

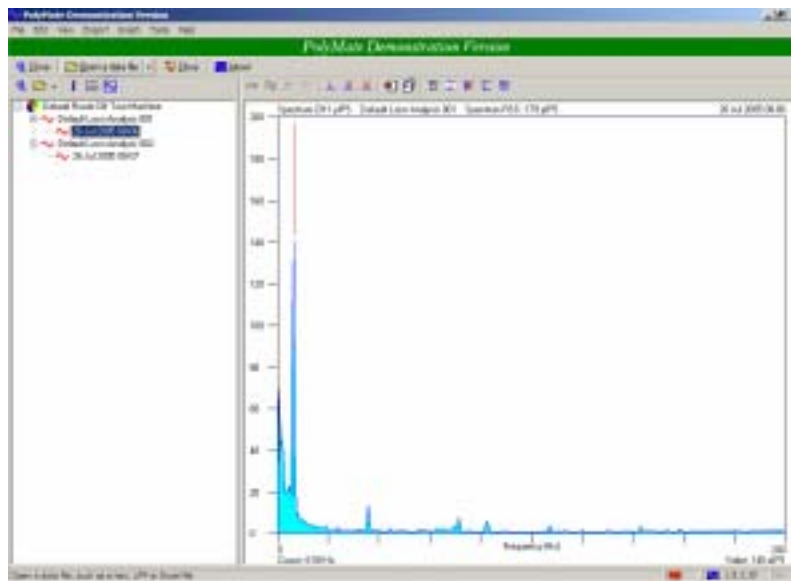


Figure 6 - Spectral View of Downloaded Data

8. You can use the Cursor tools supplied with PolyMate to identify spectral points on the graph.
9. You can use the Notation tools supplied with PolyMate to add text to the graph.

10. You can use the Engineering tools supplied with PolyMate to change amplitude units and integrate or differentiate the spectral data.
11. You can use the Axis tools supplied with PolyMate to change the X-axis from Hz to CPM, etc.
12. You can print the selected graph or copy it. If you use the copy selection tool you can paste spectral pictures into other documents.
13. Unfortunately, this data can not be saved in the Demonstration version of PolyMate.
14. Please visit the DEI website to obtain information about the unrestricted version of the PolyMate program.
<http://www.dei-ltd.co.uk/>

IRD Balancing Division Offices
www.irdbalancing.com
email: sales@irdbalancing.com

USA: Worthington, Ohio
1.614.431.5256 phone
1.614.431.6365 fax

UK: Chester
+44 (0) 1244.682.222 phone
+44 (0) 1244.677.977 fax

Mexico:
+52 55.5689.8325 phone
+52 55.5689.8160 fax