

OPM-50 Application System

Software User's Manual

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1. Introduction

Thank you for choosing Shineway Technologies.

OPM-50 Application System software is a special application developed for OPM-50. It allows the previously stored measurement records in the instrument to be uploaded to a PC to be displayed, saved or printed. Users are provided with convenient data management function, including editing, browsing, saving, backup, printing output and so on.

2. Software installation

2.1 Computer system requirement

Requirements for operating system and hardware:

- Pentium III or Pentium 4 PC
- Operating System: Microsoft Windows 98/2000/xp
- Internal memory: 64MB or above
- Hard disk: 40 MB or above (Space available)
- CD-ROM driver: 8 speed or above
- USB port

2.2 Software installation

- 1) Start Windows
- 2) Exit all other running applications, if windows is currently running
- 3) Insert the installation disk into CD-ROM, choose to enter into the installing file
- 4) Double click setup.exe¹ to install
- 5) Follow the instructions of installation wizard step by step till installation completed

Note: the uploaded data is to use virtual serial port transmission mode, virtual serial port driver must be installed before the upload data. The concrete issues can refer to the "driver installation guide".

3. Software GUI

3.1 GUI

After installation of OPM-50OTDR software, click run, and the GUI will be as follows: 3.1:

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Figure 3.1

Contents of GUI: menu, tool bar, information windows and test data display windows.

3.2 Menu and tool bar

Main GUI of OTDR Trace Manager software is as in Figure 3.1. The menu bar includes: file and help two items.

Tool bar is right below menu bar. Use mouse pointer to highlight menu bar and operation reference will pop up. To display tool bar or not is controllable. Click "show toolbar" of menu "view" and tool bar display will switch between on and off. Tool bar is actually shortcut keys to complex operation. All the functions on tool bar can be realized through menu operation, however in a more complicated way. The tool bar operation is much easier and more convenient.

3.2.1 File

Menu "File" is as in Figure 3.2. Functions can be realized under "file" menu: upload, open, save, save as, print, print preview, Add Note (MultiRecord), Clear and Exit.

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	Open(O)	Ctrl+O							
	Save								
	Save As		Operator:			From:			
	Print(P)	Ctrl+P	Location:			Tai			
	Print Preview					10.			
	Add Note(MultiRecord)								
	Clear		Length (nm)	Ref. (dBm)	Power	Date	Time	Note	—
	Exit								
I								Num	_
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Figure 3.2

3.2.2 Help

"Help" menu is as in Figure 3.3. This menu displays the version of the software.

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	•	About (A)							
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Figure 3.3

4. Software functions

4.1 Upload data

Saved traces can be uploaded to PC via USB cable:

- 1 Connect PC and OPM-50 with USB interface cable;
- 2 Power onOPM-50;
- 3 Select series port: Click "Com Port", Will list the serial correlation in the drop-down menu,

select the serial port, shows as Figure 4.1.1;

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Figure 4.1.1

4 Upload data: Select "upload" under "File" menu, or click 🛱 icon, then data start to upload. There will be display the percentage of the upload progress.

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Figure 4.1.2

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2	Cable:000	Fiber:001	1310	-10.00	-60, 76 dBm	2013-03-29	09:44:22		
3	Cable:000	Fiber:002	1310	-10.00	-60,77dBm	2013-03-29	09:44:24		
4	Cable:000	Fiber:003	1310	-10.00	-60,77dBm	2013-03-29	09:44:26		
5	Cable:000	Fiber:004	1310	-10.00	-60.81 dBm	2013-03-29	09:44:27		
6	Cable:000	Fiber:005	1310	-10.00	-60.81 dBm	2013-03-29	09:44:29		
7	Cable:000	Fiber:006	1310	-10.00	-60.80dBm	2013-03-29	09:44:30		
8	Cable:000	Fiber:007	1310	-10.00	-60.76dBm	2013-03-29	09:44:31		
9	Cable:000	Fiber:008	1310	-10.00	-60.80dBm	2013-03-29	09:44:39		
10	Cable:000	Fiber:009	1310	-10.00	-54.33dBm	2013-03-29	09:44:41		
11	Cable:000	Fiber:010	1310	-10.00	-54.67dBm	2013-03-29	09:44:42		
12	Cable:000	Fiber:011	1310	-10.00	-55.07 dBm	2013-03-29	09:44:44		
13	Cable:000	Fiber:012	1310	-10.00	-55.29dBm	2013-03-29	09:44:45		
14	Cable:000	Fiber:013	1310	-10.00	-55.64dBm	2013-03-29	09:44:47		
15	Cable:000	Fiber:014	1310	-10.00	-55.28dBm	2013-03-29	09:44:48		
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18	Cable:000	Fiber:017	1310	-10.00	-55.49dBm	2013-03-29	09:44:53		
19	Cable:000	Fiber:018	1310	-10.00	-55.47 dBm	2013-03-29	09:44:54		
20	Cable:000	Fiber:019	1310	-10.00	-55.96dBm	2013-03-29	09:44:56		
21	Cable:000	Fiber:020	1310	-10.00	-55.91 dBm	2013-03-29	09:44:57		
22	Cable:000	Fiber:021	1310	-10.00	-55.70dBm	2013-03-29	09:44:59		
23	Cable:000	Fiber:022	1310	-10.00	-55.31 dBm	2013-03-29	09:45:00		
24	Cable:000	Fiber:023	1310	-10.00	-55.27dBm	2013-03-29	09:45:02		
25	Cable:000	Fiber:024	1310	-10.00	-55.25dBm	2013-03-29	09:45:04		
26	Cable:000	Fiber:025	1310	-10.00	-54.26dBm	2013-03-29	09:45:05		
27	Cable:000	Fiber:026	1310	-10.00	-54.44dBm	2013-03-29	09:45:07		
28	Cable:000	Fiber:027	1310	-10.00	-54.50dBm	2013-03-29	09:45:09		
29	Cable:000	Fiber:028	1310	-10.00	-54.14dBm	2013-03-29	09:45:10		

5 After finished uploading, shows as Figure 4.1.3;

Figure 4.1.3

6 Click "Save" under "File", will save the data to PC, and file format is .opm, shows as Figure 4.1.4; at the same time you can click "Save as..." then save the file format is TXT.

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Figure4.1.4

4.2 Open and Save File

4.2.1 Open File

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Figure 4.2

4.2.2 Save File

Please refer to the sixth item of 4.1.

4.3 Printing

4.3.1 Printing preview

Users can preview before printing to check if printing is good. Select "Print Preview" under "file" menu, as shown in Figure 4.3.1.

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Figure 4.3.1

4.3.2 Printing

Select "print" under "file" menu or click on tool bar, as shown in Figure 4.3.2.

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Figure 4.3.2

4.4. Add Note

OPM-50 Application System has add note function. According to different demand, users can edit information of one or several records in one time. Add note for one record :double click the record and popup dialog box shows as Figure 4.4.1, according to requirement to add or edit note, then click "OK"; Add note for several records: press "Ctrl" or "Shift" key then single click records you want to, Select "Add Note (MultiRecord)" under "file" menu, as in Figure 4.4.2, then operation is same as the above.

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12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Locatio Cable:000 Cable:000 Cable:000 Cable:000	on:	OK 1310 1310 1310 1310	-10.00 -10.00 -10.00 -10.00	-55. 21 -55. 25 -54. 26 -54. 44	ANCEL 2013-03-29 2013-03-29 2013-03-29 2013-03-29	09:45:02 09:45:04 09:45:05 09:45:07		
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Locatio Cable:000 Cable:000 Cable:000 Cable:000 Cable:000	DN: Fiber:023 Fiber:024 Fiber:025 Fiber:026 Fiber:027	OK 1310 1310 1310 1310 1310	-10.00 -10.00 -10.00 -10.00 -10.00	-55. 21 -55. 25 -54. 26 -54. 44 -54. 50	ANCEL 2013-03-29 2013-03-29 2013-03-29 2013-03-29 2013-03-29	09:45:02 09:45:04 09:45:05 09:45:07 09:45:09		

Figure 4.4.1

OPM- le(F)	50 Application Help(H)	System								
Unl	oad		1							
opi	000									
Open(O) Ctrl+O										
Sav	e									
				Operator: From:						
Sav	Save As									
Print(P) Ctrl+P		Location: Te:								
Print Proview		10:								
Prin	it Preview									
Add	l Note(MultiRec	ord)								
Clear			ength (nm)	Ref (dBm)	Power	Date	Time	Note		
- 1.			1310	-10.00	-60 60.4Bm	2013-03-29	09:44:20	noce		
Exit			1310	-10.00	-60.76dBm	2013-03-29	09:44:20			
3	Cable:000	Fiber:002	1310	-10.00	-60.77.dBm	2013-03-29	09.44.22			
4	Cable:000	Fiber:002	1310	-10.00	-60.77dBm	2013-03-29	09:44:24			
5	Cable:000	Fiber:004	1310	-10.00	-60.81 dBm	2013-03-29	09:44:20			
6	Cable:000	Fiber:005	1310	-10.00	-60.81 dBm	2013-03-29	09:44:29			
7	Cable:000	Fiber:006	1310	-10.00	-60.80dBm	2013-03-29	09:44:30			
8	Cable:000	Fiber:007	1310	-10.00	-60.76dBm	2013-03-29	09:44:31		=	
9	Cable:000	Fiber:008	1310	-10.00	-60.80dBm	2013-03-29	09:44:39			
10	Cable:000	Fiber:009	1310	-10.00	-54_33dBm	2013-03-29	09:44:41			
11	Cable:000	Fiber:010	1310	-10.00	-54.67dBm	2013-03-29	09:44:42	From		
12	Cable:000	Fiber:011	1310	-10.00	-55.07dBm	2013-03-29	09:44:44			
13	Cable:000	Fiber:012	1310	-10.00	-55.29dBm	2013-03-29	09:44:45			
14	Cable:000	Fiber:013	1310	-10.00	-55.64dBm	2013-03-29	09:44:47			
15	Cable:000	Fiber:014	1310	-10.00	-55.28dBm	2013-03-29	09:44:48			
16	Cable:000	Fiber:015	1310	-10.00	-55, 47 dBm	2013-03-29	09:44:50			
17	Cable:000	Fiber:016	1310	-10.00	-55.38dBm	2013-03-29	09:44:51			
18	Cable:000	Fiber:017	1310	-10.00	-55,49dBm	2013-03-29	09:44:53			
19	Cable:000	Fiber:018	1310	-10.00	-55, 47 dBm	2013-03-29	09:44:54			
20	Cable:000	Fiber:019	1310	-10.00	-55, 96 dBm	2013-03-29	09:44:56			
21	Cable:000	Fiber:020	1310	-10.00	-55, 91 dBm	2013-03-29	09:44:57			
22	Cable:000	Fiber:021	1310	-10.00	-55,70dBm	2013-03-29	09:44:59			
23	Cable:000	Fiber:022	1310	-10.00	-55.31 dBm	2013-03-29	09:45:00			
24	Cable:000	Fiber:023	1310	-10.00	-55.27dBm	2013-03-29	09:45:02			
25	Cable:000	Fiber:024	1310	-10.00	-55.25dBm	2013-03-29	09:45:04			
26	Cable:000	Fiber:025	1310	-10.00	-54.26dBm	2013-03-29	09:45:05			
27	Cable:000	Fiber:026	1310	-10.00	-54.44dBm	2013-03-29	09:45:07			
28	Cable:000	Fiber:027	1310	-10.00	-54.5UdBm	2013-03-29	09:45:09			
128	Cable:000	fiber:028	1310	-10.00	-54.14dBm	2013-03-29	09:45:10			
d Note	9							Num		

Figure 4.4.2

4.5 Delete Records

Press "Ctrl" or "Shift" key then single click records you want to delete, then click icon on the toolbar, popup a dialog box, select "OK".

4.6 Clear Records

Click icon on the toolbar, it will clear all of records in MeasureINfo windows.

4.7 Exit Software

Select "Exit" under "File" menu, it will exit the OPM-50 Application System.

5. Contacting Customer Service

Please check our web site (www.shinewaytech.com) for updates to this manual and additional application information. If you need technical or sales support, please contact local Shineway Technologies Customer Service.

Shineway Technologies (China), Inc.:

Address:FI.7, Zhongtai Plaza, No.3 Shuangqing Rd, Haidian District, Beijing, ChinaPostal code:100085Tel:+86-10-62953388Fax:+86-10-62958572Email:support@shinewaytech.comWEB:www.shinewaytech.com

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