

MULTI PROTOCOL ANALYZER

PC Link Software

LE-PC300G

Instruction Manual

Input the serial number on installation of this product. You can see the serial number written on the package box and Registration Card.

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Chapter 1 Before Using the Product

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LINEEYE CO., LTD

Chapter 2 Introduction

Thank you for your purchase of LINEEYE's PC link software.

•To use it correctly, you are advised to read and understand this together with the instruction manual for analyzer thoroughly.

•Keep this instruction manual.

General Description

This software allows the analyzers (LE-2500/3500/1200/2200/3200/7200 etc.) to measure throught PC, and to store the monitored data in the PC via USB port, AUX port (serial) or CF card.

Unpacking

When you unpack the product, make sure of the following:

CD-ROM (software)	1
Instruction Manual (This book)	1
Customer Registration Card	1

Please contact your LINEEYE distributors if you find any damage to the product caused by transportation, or if there are accessories lacking.

Chapter 3 Before Start-up

Installation Guide

- 1. Insert the CD-ROM into the CD-ROM drive.
- 2. Select "RUN" from the "START" menu.
- 3. Input the "D(specify the CD drive):/setup" in the command line and click "OK".
- 4. The setup program will start. Follow the setup instructions. You need the serial number when installing. You can find the serial number on the side of the box that contains LE-PC300G (or on the card packed up with LE-PC300G).
- 5. After "Install Shield Wizard Complete" appears, click "Finish".

- 1. Click"Add/Remove programs" from the control panel.
- 2. Select"LE-PC300G" from the list, then click "Add/Remove" button.

USB Driver Installation (LE-2500/3500 only)

This PC link software can controll the analyzer via USB. You need to install the USB driver to controll the analyzer via PC. USB driver is stored in the CD-ROM.

Supported OS are Windows 2000/XP/Vista/7.

<Installation>

• Windows 2000/XP

- 1. Connect USB port of analyzer and USB port of a PC using a USB cable.
- 2. Turn on the power of analyzer. A Wizard will be appeared on the PC.
- "New Hardware Wizard" will start to install the USB driver. Select "No, not this time" for the question of "Can Windows connect to Windows Update to search for software?".
- Select "Install from a list or specific location " for the questions of "What do you want the wizard to do?".
- 5. Select "Search for the best driver in these locations" and mark on "include this location in the search". Select the folder that contaions the USB driver file.
- Click "Continue Anyway" for the questions of "has not passed Windows Logo testing to verify its compatibility with Windows XP".
- 7. Click "Finish" when you find the message "Completing the Found New Hardware".
 - Above is the installation for Windows XP. It will be almost same for Windows 2000.
 - For more details of USB driver installation, please read the document, "Driver" in the utility CD.

• Windows Visa/7

1.Set the attached CD-ROM into the CD-ROM driver of the PC that will be connected to LE-2500(or 3500).

2. Execute "setup.exe" file in "Driver" folder of the attatched CD-ROM.

3."User Account Control" appers in the display of the PC.

Then click "Yes".

🛞 User Account Control	×
Do you want to allow the following program to make changes to this computer?	e
Program name: Driver Package Installer Verified publisher: LINEEYE CO.,LTD. File origin: CD/DVD drive	
Show <u>d</u> etails	
Change when these notifications a	ppear

4."LINEEYE driver package installer" appears. Then click "Yes".

5."Device Driver Installation Wizard" appears. Then click "Next".

6.Windows security window appears.

Then click "Install".



7.If the window says "Completing the Device Driver Installation Wizard", click "Finish".

8.Connect the LE-2500(or 3500) device to the PC.The installation is completed if the message like below is appears on the task tray.

Above is the installation for Windows 7. It will be almost same for Windows Vista.



Analyzer Setting

- 1) Connect your analyzer to the target devices you wish to measure.
- Serial connection: Connect your analyzer and a PC by the included cable (LE2-8V). USB connection: Connect by the USB cable.
- 3) Set the AUX port of your analyzer as follows if you are using the serial connection. (You do not need to set the AUX port if you are using the USB connection.)

(Fixed lenght of data is 8 bit.)

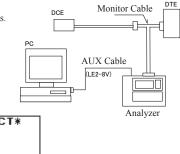
<Example>

Usually, set transmission speed to 115200bps.

Set data length ot 8-bit.

Recommended that parity be set to NONE.

Set X-CONT (flow control) to OFF.



AUX CU	ן א טא	*SELECT*
CHAR BIT	: 115200+ :8 :NONE :0FF	0:9600 1:19200 2:38400 3:57600 4:115200 5:230400

Attention

- * Make sure to set you analyzer before starting LE-PC300G.
- * Never turn off the power of your analyzer while connecting to the PC.
- * Do not use the USB port while using the serial port of LE-2500/3500.
- * Set the electric power saving mode OFF on the PC in order to maintain the connection of the PC link..

Data Window of PC link software

Starting the PC link software. Start "LE-PC300G" from the "Start" of Windows. Usually, the following display will appear.

Data Window

		🖀 Re	mote01		YE LE	-РСЗ	100G							
1	\rightarrow			<u>M</u> easure										
2	\rightarrow	1		神白雨	6	2	•	2		P				
3	\rightarrow													
					_	_			_	_	Offline		LE-3500	.:
	l					-							*	
		Ĩ								Î (5)	(6)		
		4								J	0	/	\bigcirc	

1)Menu

Can perform various operations.

2 Tool Bar

Can perform various operations.

③Data display part

Displays the measured data.

(4) Data position display part

Displays the data position in the Data display part. The number of data loss is displayed while remote monitoring.

- ⁽⁵⁾ Various state display part
 - Displays such as the measurement state.
- 6 Connection state display part

Displays the remote connection state between LE-PC300G and your analyzer.

⑦ Model name display part

Displays the model name of your analyzer being set at the time of offline, and one of your analyzer being connected at the time of online.

Refer to the "On-Line Help" for more details of operation.

Remote Setting

Click 🚰 on the tool bar of the data window (or "Remote Setting" of "Remote" menu) to set the remote setting.

The remote setting consists of "Connection", "Model selection", "Key emulation" and "Miscellaneous".

Connection

Sets the remote connection

Remote setting	
Setting name : Rem	ote01
Connection Model se	lection Remote monitor Key emulation Miscellaneous
Moderse	
Connection <u>m</u> ethod :	USB
Serial number :	00000000
20202022222222	
	OK Cancel

Connection Method

'Serial port direct'' : Connect via serial port of the PC or use the USB-Serial converter					
	(LE-US232B).				
"USB"	: Connect via USB port		Serial port direct	~	
"Via SI-60"	: Connect via SI-60	*1	USB Via SI-60		
"Via FA-11"	: Connect via FA-11	*2	Via FA-11 Via FA-21		
"Via FA-21"	: Connect via FA-21	*2			
*1 Use SI-60 or SI-60F To use SI-60 AUX Cable for DSUB 25nin "LE2-8C" is required					

- *1 Use SI-60 or SI-60F. To use SI-60, AUX Cable for DSUB 25pin "LE2-8C" is required. To learn more about the converter setting, read the instructions manual included in the converter.
- *2 FA-11 and FA-21 are the products of Century Systems Co., Ltd. (LINEEYE doest not support except SI-60 and SI-60F.)

The required setting depends on the connection methods. "Serial Port" ("Serial port direct") Selects the serial port of the PC connected.

- "Speed" ("Serial port direct", "Via SI-60", "Via FA-11", "Via FA-21") Sets according to the speed of the AUX port of your analyzer.
- "Data bit" ("Serial port direct", "Via SI-60", "Via FA-11", "Via FA-21") Fixed number of data bit is 8 and you cannot change it. Make sure that the AUX port setting of your analyzer is 8bit as well.
- "Parity" ("Serial port direct", "Via SI-60", "Via FA-11", "Via FA-21") Sets the communication data parity between your analyzer and the PC. Sets "None" for normal use.
- "X-Control" ("Serial port direct", "Via SI-60", "Via FA-11", "Via FA-21") Sets whether to perform the flow control of X-Control between your analyzer and the PC. Sets "None" for normal use.
- "Serial Number" ("USB") Sets the serial number of the analyzer.
- "Host name" ("Via SI-60", "Via FA-11", "Via FA-21")

Sets the host name or IP address of the LAN-Serial converter (LE-US232B). Host name :

"Data port" ("Via SI-60")

Sets the port number for sending and receiving the serial data. If you leave it blank, it is automatically set, so usually keep it blank. If the router or the firewall causes the port number to be changed, you need to set it.

"Control port" ("Via SI-60")

Sets the port number of SI-60. Usually, keep the port number blank. If the router or the firewall causes the port number to be changed, you need to set it.

Control port : (If blank, it is "30718")

COM1

COM2 COM3

COM4 COM5 COM6 COM7

COM8 COM9

115200

9600 19200 38400

57600

None

Enable

30400

V

"Command port" ("Via FA-11", "Via FA-21")

Sets the command port number of FA-11 and FA-21.

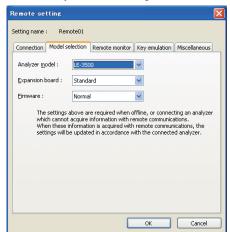
"Serial port". ("Via FA-21)

Selects which port you use from two serial ports of FA-21.

Model selection

Sets your analyzer settings. Mainly, it is used at the time of offline. However in the case of that there is information which is not received by remote communication at the time of online, it is used as it is set. In addition. if the information is received by remote communication, these settings are automatically changed.

This is an example of LE-3500 setting. Other models are almost same as this.



"Analyzer model"

Selects the model name of the target analyzer.

"Expansion board"

Selects the expansion board which is equipped with a target analyzer.

"Firmaware"

OP-586G

LE-7200

LE-1200 LE-2200 LE-3200

LE-7200 LE-2500 LE-3500

Standard

Standard OP-SB5G

Sets when you use optional firmware on the target analyzer.

Remote monitor

Sets the remote monitor

Remote setting	×
Setting name : Remote01 Connection Model selection Remote monit A folder to save the remote monitor data	ly Documents#LEPC300G#Remote0 1#Buffer
	starts, a newly-created file is saved in order after them. Change file by elapsed time Record in another file when the specified time has passed. Specify time : 24 B Hour (1-24) Warning display You will be warned if there is a data file on starting measurement.
	OK Cancel

A folder to save the remote monitor data

This folder is to save data received by your analyzer for the remote monitor function.

To change the setting, click "Change" button. Then the window to select a folder appears. Select the proper folder and click "OK" button. The file name of saving data is started from "00000000. DT" in numerical order.

- ※ Recommends to specify an exclusive folder.
- ※ Specify a drive which has enough capacity.

(When it does not have enough capacity, the PC may not operate correctly.)

"Block size"

Sets the data capacity per file. You can select from "1M Byte",

"2M Byte", "4M Byte", or "8M Byte".

"Maximum block count"

Sets the maximum block count of a file to save. You can set from 2 to 2048. When the number of the data file is over this setting, the data

file with a small number file is deleted.

Maximum block count :	10	*	(2-2048)
-----------------------	----	---	----------

1M Bytes

1M Bytes 2M Bytes 4M Bytes 8M Bytes

"Full stop"

If the stored files reach to the maximum block count, measurement will automatically stop.

"Append mode"

When measurement starts, a newly-created file is saved in the order after the existing files. If the numbers of the whole data files are over the maximum block count setting, a data file with a small number file (includes data files which were saved on the former measurement) is deleted even in the append mode.

"Change file by elapsed time"

Create a new data file when the specified time has been elapsed, even if the size of the former data file has not reached the specified Block size. However, if the data file under recording has not recorded any data, the new data file will not be created.

"Warning display"

You will be warned if there is a data file in the files to save when starting measurement.

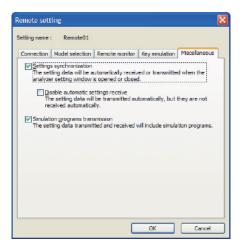
"Key emulation"

Sets the key emulation.

Remote setting	×
Setting name : Remote01	
Connection Model selection Remote monitor Key emulation Miscellaneous A folder to save the screen capture data C:\Documents and Settings\ lineeyelineeye line \My Documents\LEPC300GR Change	
OK Cancel	

A folder to save the screen capture data

A folder to save a screen image when you save it on the key emulation screen. Click "Change" button and the folder selecting window appears. Select the folder and click "OK". "Miscellaneous"



Settings synchronization

*On-Line:

Transmits and receives the setting automatically at the time of the opening and closing the analyzer setting window. If you mark on "no automatic receiving", you only transmit and do not receive.

*Off-Line or While measuring:

Does not transmit the setting automatically.

You need to save the setting as a file, becuase when you open the analyzer setting window, it automatically receives the setting and overwrite it.

Transmit Program Simulation

The setting data transmitted and received will include simulation programs.

Chapter 6 Remote Monitor

This function allows to start measurement of your analyzer and to record measurent data in the HDD of the PC, displaying the data in real time.

Connection

After finishing the remonte setting, click on the tool bar of the window (or click "Connect" of the remote menu) to connect with you analyzer.

At the time of completing the connection with your analyzer, the connection state display part of the data window displays "Stopping", and the model display part displays the model name of the analyzer connected.

Analyzer Setting

measurement menu.)

Click 🍋 on the tool bar of the data window to set you analyzer (or click "Analyzer setting" of the

Analyzer setting		X
Model: LE-3500		
Model : LE-3500 Interface Monitor buffer Data monitor Configuration Record and Display control Trigger 0 Trigger 0 Trigger 1 Trigger 2 Trigger 2 Trigger 3 Tmer/Counter Simulation data table Wave monitor Auto run/stop Print out Date and Time Others	Monitor ONLINE DELAY BERT BERT Simulation MANUAL BUFFER FLOW ECHO OPOLLING PROGRAM	
Setting synchronization		Close

On the analyzer setting window, every time you change the setting on a tree (on the left side of the window), the contents of the setting (on the right) are changed. Set the necessary settings. Click to send the setting contents to your analyzer. On the other hand, click to receive the setting contents of you analyzer.

*When you continuously measure for long hours using remote monitoring, do not set "Record control" to "Full stop: On", or "Trigger" to "Action: Stop". Click 🎦 on the toolbar of the data window to select the simulation data table you would like to set (or

click "Analyzer setting" of the measurement menu.)

Analyzer setting	
Model : LE-3500	👌 🔒 🔒 🔒
Configuration Record and Displa Trigger 0 Trigger 1 Trigger 3 Trigger 3 Trigger 3 Table 1 Table 2 Table 2 Table 4 Table 5 Table 5 Table 4 Table 5 Table 6 Table 7 Table 8 Table 8 Table 9 Table 8 Table C Tabl	LINEEYE LE - 3500 % %
Setting synchronization	
16	Change the data to hexadecimal or character code.
A :	Change the input method to hexadecimal or character code.
MP :	The character which is forcused is set to the parity error
	(or the multi processor bit)
G	Input BCC (or FCS)
\$1 :	Input the data from "Begin data" to "End data" for the number of times set in"Data size". "Begin data"< "End data" : Inputs the number of times set in"Data size" while performing "+1" from "Begin data" "Begin data"> "End data" : Inputs the number of times set in"Data size" while performing "-1" from "Begin data"
28	Delete all data in the table.
X :	Cut selected data.
P :	Copy selected data into clipboard.
:	Paste data from clipboard.

Max speed which analyzer can measure is depending on the connection to the PC. Refere to the following standard speed.

USB connection	: Max. 700Kbps
Serial port direct (115.2Kbps connection)	: Max. 20Kbps *1
Via SI-60 (230.4Kbps connection)	: Max. 40Kbps *1

*1 This is the max speed of actual communications. For example, the speed of your target device is 1Mbps, and it communicates 2Kbyte/s. The actual communication speed of this target device is 20Kbps.

•It will cause the data loss if the actual communication speed is more than the max. speed.

And PC will stop the action until the analyzer process all measured data to the PC.

When the measured data is lacked, $_$ will displayed on the window.

Key emulation mode will decrease the max. speed.

Start Measurement

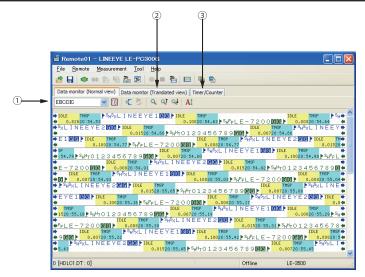
Click on the toolbar of the data window (or click "Run measurement" of the measurement menu) to measure. After measurement starts, "Measuring" is displayed on the state display part, and data received from your analyzer is displayed. You can change the character size (click A1), the character code, the display in hexadecimal (click 6), and the pause while measuring (click 11).

Stop Measurement

To stop measurement, click on the toolbar of the data window (or click "Stop measurement" of the measurement menu.) After stopping measurement, you can scroll data. Data is automatically saved in the folder you specified on the remote setting. To save with another name, click [] (or click "Save data file" of the file menu.).

At the time of stopping measurement, the last file is displayed. To display all files, click image (or click "Open data file" of the file menu) and select the file to display.

Remote Monitor Screen



There are following methods to switch the screen display.

-Change display code	Select a character code from the drop down list (marked above 1)
	which displays the character code.
-Hexadecimal display	Click 🚺 .
	(Displays in hexadecimal including the special characters.)
-Control line information of	lisplay
	Click 🗧 .
	Click 隆 to open the control line information setting window.
-Translated view	To switch the screen into the translated view screen, click the data
	monitor (translated view) tab (marked above 2.). Click 🥏 to
	switch the screen into the packet translated view if the packet
	translation is possible. Click the data monitor (normal view) tab to
	switch the screen into the original display screen.
-Timer / Counter	To switch the screen into the timer / counter display screen, click
	the timer / counter display tab (marked above 3).
-Wave monitor display	To switch the screen into the wave monitor display screen, click the
	wave monitor display tab.

Chap 10 Wave Monitor Data

Click 营 on the toolbar of the data window (or click "File" -> "Open data file") to select a file of the

measurement data. When two or more files are opened, they are displayed as continuous data. Click "File" -> "Show data property" to check the configuration, date of measurement and so on.

Data property	×
Model: LE-200PS Version: 1.06 Seral number: 00000000 Start time: 2012/06/01 09:00:00 Stop time: 2012/06/01 10:45:37 Function: MANUAL Protocol: ASYNC SD speed: 3600 bps BD speed: 3600 bps Data code: ASCII Data bit: 8 bits Parity: None Stop bit: 1 bit BCC: None	*
ОК	

Search Data

Click **Q** to set the search conditions on the data search window.

-Search conditions		
"Trigger"	Data which meets the trigger conditions	
"Error"	Parity error/Framing error/BCC error/FCS error/Break/Abort/Short	
	frame error (Data which meets what was marked).	
"Character (Hex)"	The data length of a maximum of eight characters. (Can specify don't care and bit mask.)	
"Character (String)"	The string length of a maximum of sixteen characters. (Can specify the	
	characters in alphabet, number or symbol (in ASCII)) Data search is made	
	according to the display data code.	
"Idle time"	Idle time more than the appointed time.	
"Time stamp"	The designated time stamp. (Can specify don't care.)	
-Search operation		
"Display"	Display the matched data on the top.	
"Calculation"	Display the number of data matched.	
* To learn more details	of the search condition, read the instruction manual of your analyzer.	
Click (search the forward	data) or 🔍 (search the backward data) to search and calculate data.	

Bit error rate test (BERT) can monitor the quality of communication lines in the long distance.

Start Measurement

Click **o** on the toolbar of the data window (or click "Run measurement" of the measurement menu). After measurement starts, the following screen appears.

🖴 Remote01 – L1	NEEYE LE-P	C300G			
<u>F</u> ile <u>R</u> emote <u>M</u> ea	surement <u>T</u> o	ol <u>H</u> elp			
🧀 🖬 🗢 🗰 🏌	5 6 2 2] 🗕 = 🏝 🗖 🛙	n 🔁		
Bit error rate test					
Savail :	4	Sync. loss :	0		
Receive bit :	4632720	Receive block :	73535		
Error bit :	0	Error block :	0		
Bit error rate :	0.00e+0	Block error rate :	0.00e+0		
Error second :	0	%E.F.S. :	100.000		
				1	
		5	Stopping	Online	LE-2500

	: Start BERT.
	: Stop BERT. (The test pattern is still output.)
1 +	: Output error of 1 bit.
5+	: Output continuous error of 5 bits.
00	: Pause on updating display.
E	: In the case of the repeat mode BERT, multiple results can be received and converted
	into CSV when measurement stops.
	Converted results are saved as BERTDATA.csv.
••••	: Convert the BERT results of the repeat mode saved on the analyzer (saved on the CF
	card.) into CSV.
	: Save BERT results. In the repeat mode, press "Text conver
	sion" to save the history as the CSV file, because only the latest result is saved.

This function allows to control the analyzer from a far place. (remote control)

Run Key Emulation

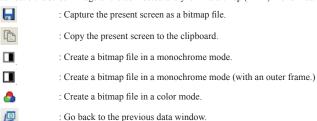
Click 🧮 on the toolbar of the data window (or click "Key emulation" of the tool menu.).



- 1. Displays the screen of your analyzer being connected.
- 2. Emulate the key of your analyzer.

Capture the Screen Image

You can save the screen image of the connected analyzer in a bitmap (BMP) file format.



This function allows to convert the data which is measured on the remote monitor, and which is saved on such as a memory card and HDD into a text file.

Text Conversion Function Setting

Click 🖷 on the toolbar of the data window (or click "Text conversion" of the menu.).

The following text conversion window opens.

💁 Text conversion - LINEEY	E LE-PC300G		
Eolder : C¥Documents and Se	ttings¥LINEEYECN¥My	Documents¥LEPC30	IOG¥Remote01¥Buf
File type : Data files(*.dt) ♥ Monitor data files : Befresh 00000000 DT 00000000 DT 00000000 DT 00000000 DT 00000000 DT 00000000 DT 00000000 DT	Conversion options Qutput format : Normal Select data line : Data format : Line width : No guide Exclude time star Exclude (die time HDLC translation : EPP translation :	SD and RD V Char, Mex. V 80 V Frame V PPP V	Line state : V RS V CS DR DR Down V CN V RR SQ CL EX
Select <u>all</u> No select		[Convert

-Folder

Specify a folder which has the data you wish to convert into text.

-The kind of file

Selects from "Data files" and "Analyzer's auto save files."

-Refresh

Refresh the file information in the specified folder.

-Monitor data file

Selects a file you wish to convert from the list display. It is selected by clicking the file. To cancel the selection, click the file again. (You can select two or more files and cancel them all.) -Output format

Selects a format you wish to convert from the following.

"Normal print" (Print format of your analyzer)

"Normal print with line state" (Print format of your analyzer which includes control line information)

"Translated print (designated at the time of measurement)" (Translated print format of your analyzer)

"CSV format processing unit: Data (normal)" (Every data divided.)

"CSV format processing unit: Frame" (Every frame divided.)

-The number of characters per line

Selects the number of characters displayed per line from "40", "80", "136" and "MAX".

-Data format

Selects the data format to convert from the following.

"Char. / Hex." (Displays the character code and the hexadecimal number.)

"Char. Only" (Only characters are displayed.)

"Hexadecimal" (Only the hexadecimal number is displayed.)

-No guide

If "No guide" is checked, converts such as the communication condition without guide. (data only)

-Exclude time stamp

If "Exclude time stamp" is checked, delete the time stamp to convert.

-Exclude idle time

If "Exclude idle time" is checked, delete the idle time to convert.

-Select data line

Selects the data to convert from "SD and RD," "SD only" and "RD only."

-HDLC translation

At the time of HDLC, selects the translation format to convert from "Frame" and "Packet." -PPP translation

At the time of PPP, selects the translation format to convert from "PPP" and "DUMP."

-Line state

At the time of "Normal print and Line state," mark the control line to display with.

You can change the order to display, by clicking "up" and "down" button.

Text conversion - LINEE	/E LE-PC300G	
	ettines¥LINEEYECN¥My Doo Conversion options Quiput format : CSV format (data) Select data line : SC	D and RD V exadecimal V
Select all No select		Convert

If the CSV conversion is selected, the following window appears.

-Select data line

Selects from "SD and RD," "SD only" and "RD only."

-Data format

Selects from "Hexadecimal," "Decimal" and "Character."

-Column

Sets the range between 1 and 65535.

-Delimit char.

Sets the delimit character such as ","

Start Text Conversion

Click "Convert." A converted file is saved in the folder which contains its source file.

🖀 Re	mo	te01 - LINEEYE LE-PC300G	K
<u>F</u> ile	Re	mote <u>M</u> easurement <u>T</u> ool <u>H</u> elp	
1		🗢 🗰 🎦 🖸 🔍 🔍 🗮 🎦 🛤 🖓 🖓 👘	
Data	moni	itor (Normal view) Data monitor (Translated view) Timer/Counter Wave monitor	
	-0) x1 🏂 🖸 -9.2us 🕑 🖬 -17us C-M : 7.8us	
		Ous -40us -20us 40us 60u	s
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ST1	0 †	กกกลางการการการการการการการการการการการการการก	
ST2	11		~
	_		_
-	_	Offline LE-2500	

 -Scaling factor
 Move the slider
 x1/2 and select the scaling factor.

 -Cursor display
 Click ⊆. Place the cursor near the center of the screen.

 -Marker display
 Click ☑. Place the marker near the center of the screen.

 -Time measurement
 Drag ⊆ and ☑ on the screen of the wave monitor to the position you wish to measure. "C-M:**ms" shows the time between the cursor and the marker (eg. The image above indicates C-M: 74ms.).

 -Signal display order setting.
 Click ➢ to set the order to display on the signal standard setting.

Chapter 11 Connecting Multiple Analyzers

To connect multiple analyzers at the same time, add the necessary setting for the number of analyzers to connect.

Adds the remote setting on the remote setting list window.

To open the remote setting list window, click *remote setting* from the toolbar of the window (or click "remote setting list" of the tool menu).

Remote Setting List Window

.	🖴 Remote setting I	ist – LINEEYE LE-PC300G		
)	<u>F</u> ile <u>R</u> emote <u>H</u> elp			
	@ 🏻 🖕 🗙			
	Name State	Connection setting	Remote monitor data folder	
-	Remote01 Using	[Seria] COM1, 115200	C:¥Documents and Settings¥LINEEYECN¥Wy Documents¥LEPC3	00G¥
	and the second second second	list (this window) will be opened. Il be opened. (Order in the setting li	Options Display language : English (US) V (It will be applied after restarting this app	vlication.)

1. Menu

Performs each operation.

2. Toolbar

Performs each operation.

3. Remote Setting List

Displays the remote setting.

4. Option Setting Ses the operation setting when starting.

Add the Remote Setting

To add a new remote setting to the list, click 🕍 on the toolbar of the remote setting window (or, click

"new setting" of the remote menu.). Sets the necessary items. (For more information about each item of the remote setting, read "Chapter 5 Environment setting.")

* For multiple analyzers, make sure not to specify the same folder as location of saving the remote monitor data.

When opening this setting window from the remote setting list window, you can rename the setting name. Adds the remote setting for the number of analyzers you wish to connect. (It does not allow you to rename the setting name when the window opened from the data window.)

Remote setting	
Setting name : Rem	ote02
Connection Model se	lection Remote monitor Key emulation Miscellaneous
Connection method :	Serial port direct
Serial gort :	COM1
Speed :	115200
Data bit :	8
P <u>a</u> rity :	None
X-Control :	Disable
	OK Cancel

Open the Data Window

To open the selected data window for remote setting, select the specific remote setting from the list of the remote setting list window (multiple selections possible), and click provide on the toolbar (or, click the "open data window" of the file menu.).

Delete the Remote Setting

You can delete unnecessary remote setting.

At first, select the remote setting you wish to delete from the list of the remote setting list window (multiple selections possible) and click \bigotimes on the toolbar (or, click "delete setting" of the remote menu). Then, the deletion confirmation appears and the selected setting will be deleted by clicking the "OK" button. However, if the remote setting which is using in the data window, you cannot delete it. If you end the application with all the remote settings deleted, a new setting (default setting) will be automatically added when you start the application next.

Operate Setting When Starting

You can select operation when LE-PC300G starts from the following:

"The remote setting list (this window) will be opened"

The remote setting list window will be opened. If the window has already opened, it will be displayed in front.

"The data window will be opened. (Order in the setting list)"

The data window will be opened in the order according to the remote setting list. If all data windows for the remote setting have already opened, the operation is the same with "The remote setting list (this window) will be opened."

Startup Options

When starting the LE-PC300G, following options can be used.

-r "<Setting name>"

Start measuring automatically by the specified Connection setting after starting LE-PC300G.

To start measuring by the multiple settings, ex. specify as follows.

-r "Remote01" -r "Remote02"

When starting the measurement by using AUTO measurement function, the warning message of loosing the existing data file will not be displayed. Also, when starting the measurement by using APPEND mode and the selected configuration file automatically, the existing data file will be erased without the warning message when starting LE-PC300G.

-q

It saves measured data to the data file immediately, and try to keep the format of data file as normal. (LINE-EYE does not warrant the condition is normal.)

Also, it will allow to read the measured file which is in the process of saving data, and able to copy the data file. However, the data file which is in the process of saving data can not be opened by the other window of LE-PC300G.

It is possible that this function will deteriorate the ability of PC or storage of saving data file. Therefore, LINEEYE does not recommend using this function.

Chapter 12 Specification

Applicable analyzer	LE-3500/2500/7200/3200/2200/1200 *1			
Connection	Serial, USB, LAN (the LAN-serial converter SI-60, SI-60F)			
No. of analyzers to be	Multiple analyzers can be connected and controlled simultaneously. (No. of			
connected	connectable analyzers	depends on the performance of the PC.)		
Measurement conditions	Measurement conditio	ns (communication parameters, triggers and simulation data)		
	can be set.			
Key emulation	Displays the analyzer	's display and keys on the PC screen and can perform the		
	analyzer remote contro	bl.		
Remote monitor	Starts/stops the measu	rement, displays the measurement data on the PC screen, and		
	records the data contin	uously		
	Recording mode	Fixed buffer mode: Meausres data up to the specified size		
		and stop automatically. Ring buffer mode: Records the latest		
		data of the specified size endlessly.		
	Recording capacity	Max. 16GB: Can be specified up to 2,000 files in the unit of		
		1/2/4/8 MB.		
Text-CSV conversion	Specified number of t	he recorded files can be converted to text or CSV format at		
	once.			
Screen image capture	Analyzer's display sho	wn by the key emulation can be saved as the bitmap files.		
Display modes	Standard display	Displays the communication data, idle time, time stamp and		
		data line status. Displays in ASCII, EBCDIC, JIS7, Baudot,		
		Transcode, IPARS, EBCD, EBCDIK, HEX(includes errors).		
	Translation display	Translates and displays protocols such as SDLC, X.25,		
		LAPD, PPP and IrLAP.		
		Displays frames of I ² C and SPI.		
	Waveform monitor	Enlarges and reduces the waveform (Can measure time, and		
	display	rearrange signals.)		
Search	Finds and displays the	data that matches the search conditions.		
	Search conditions	Specified character (Hex: max.8 characters / String: max.16		
		characters) (don't care and bit mask can be specified)		
		Error (parity, framing, BCC, break/abort, short frame:		
		individual error type can be specified.)		
		Idle time beyond a specified duration.		
		Specific time stamp (don't care can be specified.)		
System requirements	PC	RAM: 250MB or more		
- *		HDD: 5MB + free space for saving the measurement data.		

*1 You cannot use this PC link software together with OP-SB7GX, OP-SB7F and OP-SB7FX at the same time.

There is a registration page on our web site.

(http://www.lineeye.com)

Please register your product for further support.

We will provide you the firmware update

information and sales information etc.

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Printed in Japan