LINEEŸE

Supports RS-232C, RS-422/485, TTL (UART, I2C, SPI)

Multi-protocol analyzer LE-2500XR



Arbitrary speed up to 1 Mbps 100MB buffer memory Up to 32GB auto save function Wi-Fi remote control

The screen can be scrolled by swiping. The key operation is also available



HDLC/SYNC/ASYNC standard compatible, CAN/CAN FD/CXPI/LIN optional.

• Multi interface / Multi-Protocol supported Equipped with RS-232C, RS-422/485, TTL (1.8/2.5/3.3/5V)

measurement ports.



Standard support:

ASYNC (start-stop synchronization), SYNC/BSC, HDLC/SDLC, PPP(ASYNC), I2C, SPI, BURST

Optional support:

CAN FD/CAN, CXPI, LIN, X.20/21, RS-449, V.35, RS-530, Current loop



Expandable by replacing the board or adding a dedicated cable

• Monitor, simulation, BERT available

Many test functions and modes are available that are suitable for analysis purposes and test scenes.

	RS-232C Mon				RS-2320	DTE
Monitor Moni		🗵 Opera	ation mode:	Simulation		
ONLINE Simu	lation	Funct		MANUAL	MANUAL	
BER	г				FLOW	
					ECHO	
					POLLING	
Advanced s	ettings Ix-data r	registration		Advar	nced settings Ix-	-data registratio
10000/10000	RS-232C Mon		ASYMP 001	41 (001 41 Di	R-S1 RS-2320	
				067 921.0K D	5-51 R8-232U	
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TM 02/18 P 4 TG P 21:01:51 GH T J K L MN C		56789 2020.				Measuring
IM 02/18 / 4 aug / 21:01:51 ah i j k l mn c	9%%%%01234 PQRSTUVW	5 6 7 8 9 X Y Z FF FF	/03/10 09:52 ~	03/10 09:55	5	Measuring s O
IM 02/18 / 4 aug / 21:01:51 ah i j k l mn c	9%%%%01234 PQRSTUVW T_DATABEB 25552	56789 2020, XYZFFFF GIGI P 21:0	/03/10 09:52 ~ Savail Receive bit Error bit	03/10 09:55 215 1.59e+8 6	5 Sync los: Receive block Error block	Measuring s 0 k 311278 k 2
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Safe and reliable Auto-Save function

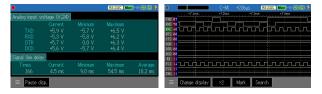
The measurement log file can be continuously recorded for a long time into a SDHC card or a USB flash drive. Even if the battery runs out suddenly, the log file being written is safely closed and measurement is completed, so valuable records can be reliably saved.



	DUT	Estimated continuous recording time *			
	speed	100MB	32GB SDHC card		
	(bps)	Main memory only	Using SD-32GX		
	9600	Approx. 6hrs.	Approx. 80days		
	115.2K	Approx. 28min.	Approx. 6.5days		
	1M	Approx. 200sec.	Approx. 20hrs.		
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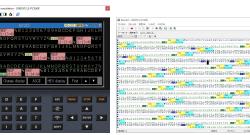
*: Calculated when the 1 Kbyte data transmission period and 1 msec idle time are repeated.

• Convenient signal amplitude measurement function and logic analyzer function



• Utilize measurement data on a PC Includes PC link software (light version). Wi-Fi connection

Includes PC link software (light version). Wi-Fi connection between analyzer and PC is also available.



LE-2500XR specifications

Standard RS-232C, RS-422/485, TTL (1.8V/2.5V/3.3V/5V level) Expansion CAN, CAN FD, CXPI, LIN, X.20/21, measurement port Standard protocol ASYNC, SYNC/BSC, HDLC/SDLC, PPP(ASYNC), I2C, SPI, MODBUS, BURST Expansion protocol CAN, DeviceNet *1, CAN FD, CXPI, LIN Capture memory 100 MB *2 Can be split into 2 Measurable speed 50bps ~ 1.000Mbps (Available with 4 significant figures) Line signaling mode Line signaling mode NRZ, NRZI, FM0, FM1 Data display code ASCII, EBCDIC, JIS, Baudot, Transcode, IPARS, EBCD, EBCDIK, HEX Measurement condition setting Protocol, data/partiy/stop bit, sync clock, frame end, address filter, bit transmission order, bit polarity, etc. can be specified according to the DUT Online monitor function Raw data display, protocol translation display, error display, bit shift display possible Error check function Parity, Fleming, Break, BCC, Abort, Short frame, Non-ACK (I2C) Idle time measurement Resolution 1 msec., 10 msec., 100 msec., and OFF can be specified up to 999.9 sec Time stamp record Minimum 10 msec. (day:minute:second.10m sec.), 6 time units and OFF can be specified Line status record Record RTS, CTS, DTR, DSR, DCD, RI, TRGIN (external trigger input) signals together with send/receive data Interval timer<					
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function TTL input range -1V to 6V, resolution 0.1V Logic applyzer function 1KHz to 20MHz sampling, zoom display,	Voltage measurement	RS-232C input range +18V			
Logic applyzer function 1KHz to 20MHz sampling, zoom display,					
		1KHz to 20MHz sampling, zoom display			
	Logic analyzer function				

Simulation function	Data can be sent to the test target while checking the received data
Test data table	Transmit test data 160 types (16K data) can be registered, BCC/LRC automatic calculation, parity error data can be registered
Test mode	4 modes (MANUAL, FLOW, ECHO, POLLING) selectable
Bit error rate test	Measures line quality such as bit error rate and block error rate according to ITU-T G.821 ⁻⁴
File management	Save, load and delete measurement data and measurement conditions
Remote control	PC link software (light version ^{*5}) included Measurement data display, recording, text/CSV conversion
LCD display	4.3 inch TFT color LCD (480x272dot) With touch panel
LED display	Line state display, power/charge display
External interface	USB2.0 (Standard A /micro-B each 1), SDHC card slot, Wi-Fi 802.11 b/g/n ^{*6}
External storage	SDHC card and USB memory ^{*7} Up to 32GB
Power supply	USB bus power, built-in lithium-ion battery Battery operating time: About 7 hours *8
Temperature range	Operating temperature: 0-40°C Storage temperature: -10-50°C
Dimension, mass	190 (W) x 153 (D) x 38 (H) mm, About 550g
Accessories	Monitor cable for DSUB 25-pin (LE-25M1), Monitor cable for DSUB 9-pin (LE-009M2), DSUB25pin-9pin conversion adapter, 5 wires TTL prove cable (LE-5LS), micro USB cable, USB charger (LE-P2USB), carrying bag (LEB-01), Utility CD, quick start guide, and warranty

*1: Raw data display only. *2: Communication data, idle time, time stamp, and line status consume 4-8 bytes of memory for each capture. *3: Automatic setting is available only for ASYNC, SYNC/BSC, HDLC/SDLC. If the communication data amount is small or there are many errors, the automatic setting cannot be performed correctly. *4: Only available in ASYNC and SYNC modes. *5: Some functions of the product version PC link software LE-PC300R are limited. *6: It can be shipped with the Wi-Fi function disabled due to the radio law of each country. Please contact our sales department for details. *7: Operation of SDHC cards other than LINEEYE option is not supported. *8: According to our measurement conditions. our measurement conditions.

Option

Item name	Model number	Remarks
Expansion kit for CAN FD/CAN/CXPI	OP-SB7XC	
Expansion kit for CAN FD/CAN/LIN	OP-SB7XL	
Expansion board for RS-530	OP-SB10N	
Expansion kit for current loop comm.	OP-SB1C	
Expansion kit for TTL/I2C/SPI	OP-SB5GL	
5 wires TTL prove cable	LE-5LS	*1
X.21 monitor cable	LE-25Y15	*2
RS-449 monitor cable	LE-25Y37	*2
V.35 monitor cable	LE-25M34	*2
RS-530 cable	LE-25S530	*2
USB charger	LE-P2USB	*1
PC link software	LE-PC300R	*3
PC link software (For OP-SB7XC/7XL)	LE-PC7XCL	*3
3.81mm pitch terminal block (5 POS.)	LA-5ETB45	*4
16GB SDHC card	SD-16GX	
32GB SDHC card	SD-32GX	

*1: Same as the attached one. *2: OP-SB10N required. *3: Full edition with no unctional restrictions *4: Same as that set on the analyzer. functional restrictions

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Read the instruction manual provided with the product before use and use the product as explained in that manual. Using the product in ways not guaranteed in the manual, connecting it to systems outside of the specified ranges and remodeling can all cause trouble and damage. LINEEYE CO., LTD. will assume no responsibility whatsoever for trouble or damage arising because of unauthorized ways of use. 0 INEEYE CO., LTD.

Head Office/Sales Office

SAFETY WARNING

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