

LUCO TECHNOLOGIES PRODUCT LIST

Order Number	Description
HOUSING AND POWER SUPPLY	
L-6001-POW4-3	Frame (incl. power supply) 42 HP with strap handle and retractable feet
L-6001-POW8-3	Frame (incl. power supply) 84 HP with front rack handles and retractable feet
L-6001-GP-4	GPIB / LAN / USB Module
L-6001-UHD-1	Retractable U-shape handle for BERT mainframe
L-6001-DCPOW-1	Power module for customer devices 1.8 V, 3.3 V, 5.0 V
ELECTRICAL DATA MODULES	
L-6001-EPG428-1	Electrical Pattern Generator 4 channel, 2 – 28Gbps, 400mV, PRBS7,15,31
L-6001-EED428-1	Electrical Error Detector 4 channel, 25 – 28Gbps, PRBS7,15,31
L-6001-EPG10-6	Pattern Generator 2.0 – 14.4 Gbps, 500 – 1000 mV, PRBS and USER pattern
Option 152	Data rate extension to 1.0 Gbps for EPG10-6
L-6001-EED10-6	Electrical Error Detector 2.0 – 14.4 Gbps, PRBS and USER pattern
Option 146	Vertical sample point adjustment for EED10-6, not to combine with option 147
Option 147	Differential inputs for EED10-6, not to combine with option 146
Option 153	Data rate extension to 1.0 Gbps for EED10-6
L-6001-DEP-1	Emphasis Module up to 11,3 Gbps, 12 dB, 16 level, single tab
L-6001-DEP-3	4-tap de-emphasis module up to 16 Gbps
L-6001-EBERT-3	Electrical BERT 9.9 – 11.3 Gbps PRBS 7, 9, 10, 11, 15, 21, 23, 31, 0101, 8 kByte User Fixed data output level; Duo Binary Pre-coder; 10 GHz Clock output
Option 134	Pre-Emphasis with calibrated display in dB for EBERT-3
L-6001-EBERT-5	Electrical BERT 8.5 – 11.3 Gbps PRBS 7, 9, 10, 11, 15, 21, 23, 31, 0101, 8 kByte User Adjustable output amplitude and crossing, 1.0V _{pp} – 3.0V _{pp}
ELECTRICAL CLOCK MODULES	
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
Option 154	Built in variable output divider for CLK20-2
L-6001-CLK6-2	Low frequency continuous clock source 50 MHz to 900 MHz with selectable presets for data rates 8.5, 9.9, 10.3, 10.5, 10.7, 11.1, 11.3 Gbps
L-6001-CDIS-1	Clock distributor 1-6 14G
L-6001-CD-3	20 GHz selectable Clock Divider 1 - 256
L-6001-PHS6-1	Phase Shifter 6 channel for PARALLEX® System; 1 clock in, 6 shifted clocks out
OPTICAL MODULES	
L-6001-iCMXFP-1	Internal O/E converter with slot for XFP transceiver module and selectable 1/1, 1/2, 1/4, 1/8 divider for reference clock
L-6001-iCMSFP-1	Internal O/E converter with slot for SFP+ transceiver module
L-6001-OPM-1	Optical Power Meter 800-1700 nm, -70 to +10 dBm, Universal, LC, SC, FC, ST. Multi-

Order Number	Description
	mode or Single-mode
L-6001-VOASM-1	Variable Optical Attenuator, Single-Mode
L-6001-VOAMM-1	Variable Optical Attenuator, Multi-Mode
L-6001-OSW12SM-1	Optical switch, Single-Mode, 1 x 2, FC/PC
L-6001-OSW14SM-1	Optical switch, Single-Mode, 1 x 4, FC/PC
L-6001-OSW12MM-1	Optical switch, Multi-Mode, 1 x 2, FC/PC
L-6001-OSW14MM-1	Optical switch, Multi-Mode, 1 x 4, FC/PC
L-6001-OSW	Optical switch, other configurations on request
L-6001-OSAC-1	Optical Spectrum Analyzer for C-band
L-6001-OSAL-1	Optical Spectrum Analyzer for L-band

FIBEROPTIC TRANSCEIVERS

Fiber optic transceiver on request

WARRANTY AND SERVICE

L-6001-W1	New products: 1 year warranty
L-6004-ONLSUP5	Online support 5 hours
L-6004-ONLSUP10	Online support 10 hours
	Rental on request
	Calibration on request
	Repair on request

PRECONFIGURED UNITS

Basic BERT 100G

L-6001-POW4-3	19"/2 frame (incl. power supply) 42 HP with strap handle and retractable feet
L-6001-GP-4	GPIB / LAN / USB module
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
L-6001-EPG428-1	Electrical Pattern Generator 4 channel, 2 – 28Gbps, 400mV, PRBS7,15,31
L-6001-EED428-1	Electrical Error Detector 4 channel, 25 – 28Gbps, PRBS7,15,31

Basic BERT 14.4G

L-6001-POW4-3	19"/2 frame (incl. power supply) 42 HP with strap handle and retractable feet
L-6001-GP-4	GPIB / LAN / USB module
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
L-6001-EPG10-6	Pattern Generator 2 – 14.4 Gbps, 500 – 1000 mV
L-6001-EED10-6	Electrical Error Detector 2 – 14.4 Gbps

Basic BERT 10G

L-6001-POW4-3	19"/2 frame (incl. power supply) 42 HP with strap handle and retractable feet
L-6001-GP-4	GPIB / LAN / USB module
L-6001-CLK6-2	Low frequency continuous clock source 50 MHz to 900 MHz with selectable presets for data rates 8.5, 9.9, 10.3, 10.5, 10.7, 11.1, 11.3 Gbps
L-6001-EBERT-3	Electrical BERT 9.9 – 11.3 Gbps PRBS 7, 9, 10, 11, 15, 21, 23, 31, 0101, 8 kByte User Fixed data output level; Duo Binary Pre-coder; 10 GHz Clock output

SFP+ Tester

Single channel 10 Gbps Electrical BERT with clock, SFP+ O/E converter and optical modules

L-6001-POW4-3	19"/2 frame (incl. power supply) 42 HP with strap handle and retractable feet
L-6001-GP-4	GPIB / LAN / USB module
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
L-6001-EPG10-6	Electrical Pattern Generator 2 – 14.4 Gbps, 500 – 1000 mV
L-6001-EED10-6	Electrical Error Detector 2 – 14.4 Gbps
L-6001-iCMSFP-1	Internal O/E converter with slot for SFP+ transceiver module
L-6001-VOASM-1	Variable Optical Attenuator, Single-Mode
L-6001-OPM-1	Optical Power Meter 800-1700 nm, -70 to +10 dBm, Universal, LC, SC, FC, ST, Multi-mode or Single-mode

XFP Tester

Single channel 10 Gbps Electrical BERT with clock, XFP O/E converter and optical modules

L-6001-POW8-3	19" frame (incl. power supply) 84 HP with front rack handles and retractable feet
L-6001-GP-4	GPIB / LAN / USB module
L-6001-CLK6-2	Low frequency continuous clock source 50 MHz to 900 MHz with selectable presets for data rates 8.5, 9.9, 10.3, 10.5, 10.7, 11.1, 11.3 Gbps
L-6001-EBERT-3	EBERT-3: Electrical BERT 9.9 – 11.3 Gbps PRBS 7, 9, 10, 11, 15, 21, 23, 31, 0101, 8 kByte User Fixed data output level; Duo Binary Pre-coder; 10 GHz Clock output
L-6001-iCMXFP-1	Internal O/E converter with slot for XFP transceiver module and selectable 1/1, 1/2, 1/4, 1/8 divider for reference clock
L-6001-VOASM-1	Variable Optical Attenuator, Single-Mode
L-6001-OPM-1	Optical Power Meter 800-1700 nm, -70 to +10 dBm, Universal, LC, SC, FC, ST, Multi-mode or Single-mode

QSFP+ Tester Tx

Tx – Transmitter Test System

L-6001-POW8-3	Frame (incl. power supply) 84 HP with front rack handles and retractable feet
L-6001-GP-4	GPIB / LAN / USB Module
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
Option 154	Built in variable output divider for CLK20-2
4 x L-6001-EPG10-6	Pattern Generator 2 – 14.4 Gbps, 500 – 1000 mV
4 x Option 152	Data rate extension to 1.0 Gbps for EPG10-6
L-6001-OSW12MM-1	Optical switch, Multi-Mode, 1 x 2, FC/PC
L-6001-OSW14MM-1	Optical switch, Multi-Mode, 1 x 4, FC/PC
L-6001-OPM-1	Optical Power Meter 800-1700 nm, -70 to +10 dBm, Universal, LC, SC, FC, ST. Multi-mode or Single-mode

QSFP+ Tester Rx

Rx – Receiver Test System for 850nm multi mode operation (4 transceivers are NOT included!)

L-6001-POW8-3	Frame (incl. power supply) 84 HP with front rack handles and retractable feet
L-6001-GP-4	GPIB / LAN / USB Module
L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
Option 154	Built in variable output divider for CLK20-2
L-6001-CDIS-1	Clock distributor 1-6 14G
4x L-6001-EPG10-6	Pattern Generator 2 – 14.4 Gbps, 500 – 1000 mV
4 x Option 152	Data rate extension to 1.0 Gbps for EPG10-6
4 x L-6001-EED10-6	Electrical Error Detector 2 – 14.4 Gbps

4 x Option 153	Data rate extension to 1.0 Gbps for EED10-6
4 x Option 147	Differential inputs for EED10-6, not to combine with option 146
4 x L-6001-iCMSFP-1	Internal O/E converter with slot for SFP+ transceiver module
4 x L-6001-VOAMM-1	Variable Optical Attenuator, Multi-Mode
4 x L-6001-OPM-1	Optical Power Meter 800-1700 nm, -70 to +10 dBm, Universal, LC, SC, FC, ST. Multi-mode or Single-mode

QSFP+ Tester crosstalk

QSFP full crosstalk

L-6001-POW8-3	Frame (incl. power supply) 84 HP with front rack handles and retractable feet
L-6001-GP-4	GPIB / LAN / USB Module
4 x L-6001-CLK20-2	Clock source 78.125MHz - 20GHz with external reference input
L-6001-CLK6-2	Low frequency continuous clock source 50 MHz to 900 MHz with selectable presets for data rates 8.5, 9.9, 10.3, 10.5, 10.7, 11.1, 11.3 Gbps
L-6001-PHS6-1	Phase Shifter 6 channel for PARALLEX® System; 1 clock in, 6 shifted clocks out
4x L-6001-EPG10-6	Pattern Generator 2 – 14.4 Gbps, 500 – 1000 mV
4 x L-6001-EED10-6	Electrical Error Detector 2 – 14.4 Gbps

Product list will be effective from October 2014. Newer versions will invalidate this product list.

ABOUT LUCEO

LUCEO Technologies GmbH was created by engineers involved in optical transceiver design, who recognized critical gaps in test and measurement equipment for optical component and transceiver characterization. LUCEO's test system is the first to combine a complete BERT test solution with affordable cost and German build quality. Targeted for high volume production test applications, LUCEO's equipment optimizes speed and ease-of-use, allowing users to achieve minimum cost-per-test. Founded in 2005, LUCEO is headquartered in Berlin, Germany, with a worldwide sales network.

PARALLEX® is registered trademark of LUCEO Technologies GmbH.

Product specifications and descriptions are subject to change without notice.

All rights reserved.



LUCEO Technologies GmbH

Am Borsigturm 13
Berlin 13507
Germany

Tel: +49 (0) 30 814 512 40 00
Fax: +49 (0) 30 814 512 40 20
eMail: info@LUCEOtec.com
Web: www.LUCEOtec.com



Market research firm FROST & SULLIVAN recognizes LUCEO Technologies for its Price Performance Value Leadership in the BERT Market.

This global award confirms LUCEO has the best approach of the performance / cost ratio.

LUCEO's modular system in German Quality allows for a fitting feature set without wasting money for unwanted functions.

"LUCEO Technologies GmbH is a key market participant in the bit error rate testers (BERT) market. The X-BERT and PARALLEX® products are highly competitive in nature and are offered at a very affordable price" says Sujan Sami, Industry Manager, Measurement & Instrumentation, Frost & Sullivan.