

EMC-hardened Optical Transmitters

for application at immunity tests and emission measurement



LWL-CANx2-HS*

Description

EMC-hardened optical transmitters are necessary for the data transfer within or into RF-shielded rooms/anechoic chambers during emission measurements or radiated immunity tests. The optical data transmission ensures safe communication between inside/outside of a shielded room without any disturbances transferred via cables and without any influence to peripherals during radiated immunity tests. We offer optical transmitters for nearly any application.

Technical specifications

LWL-D8	Optical 8-channel digital transmission (optional bi-directional), adjustable threshold
LWL-dAV	Digital optical transmission of analogue A/V-signals, optional miniature camera connectable
LWL-dAV-R	Receiver for digital optical transmission of analogue A/V-signals
LWL-dAV-R-Rf	Receiver for digital optical transmission of analogue A/V-signals with TV-RF-output
LWL-dAV-T	Transmitter for digital optical transmission of analogue A/V-signals
LWL-D-HS	Optical 1 to 4 channels high speed digital signal transmission, up to 30 MHz, 3.3V tp + 5 V adjustable
LWL-F2V-100	Exchanger frequency signal => Voltage signal; 4 frequency ranges selectable up to 100 kHz
LWL-Heat	Temperature monitoring with optical output, -50 °C to + 500 °C, (optionally -200 °C to 1200 °C)
LWL-LVDS-SM_	20-1 20-channel LVDS-switching matrix, up to 2 Gbit/s
LWL-1394	Optical fire wire transmission, up to 400 Mbit/s (optionally up to 800 Mbit/s)
LWL-232-HS	Optical RS232-transmission, up to 115 kbit/s (optionally up to 1 Mbit/s)
LWL-485	Optical RS485-transmission, up to 1 Mbit/s
LWL-CANx2-HS	Optical 2-channel CAN-HS (high speed)-transmission , up to 1 Mbit/s
LWL-CAN-HS	Optical 1-channel CAN-HS (high speed)-transmission, up to 1 Mbit/s
LWL-CAN-LS	Optical 1-channel CAN-LS (low speed)-transmission, up to 125 kbit/s
LWL-CAN-SW	Optical 1-channel CAN-SW (single wire)-transmission, up to 33 kbit/s (100 kbit/s)
LWL-CML	Optical transmission of Video-signals (chip set: MAX 9259/9260), up to 2.5 Gbit/s
LWL-Flex	Optical transmission of Flexray-signals, up to 10 Mbit/s
LWLK	Optical transmission of Kline-signals (ISO 9141), min. 30 kbit/s
LWL-LAN	Optical transmission of Ethernet-signals (10 / 100 Mbit/s)
LWL-LIN	Optical transmission of LIN-signals, up to 20 kbit/s
LWL-LVDS-1-ds	Optical transmission of single-channel LVDS-signals (chip set: DS90UR124/241), up to 1.5 Gbit/s

* x = number of channels

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LWL-LVDS-1-ds-LIN	Combination of LWL-VDS-1-ds and LWL-LIN
LWL-LVDS-4	Optical 1 to 4-channel transmission of independent LVDS-signals, up to 1.5 Gbit/s, DC-balanced
LWL-LVDS	Optical 3+1 Clk channel transmission of LVDS-signals, DC/Non-DC-balanced, Single-channel
LWL-PSI5	Optical transmission of PSI5-signals, up to 200 kbit/s, sync-, parallel-, or serial-bus
LWL-Quad	Optical 1 to 4-channel transmission, up to 1 Mbit/s Quadrature-signals (optionally bi-directional)
LWL-SENT	Optical transmission of SENT-Signals, up to 1 MHz, integrated sensor supply 5V
LWL-SENT-2-d	Optical 2-channel transmission of SENT-signals, up to 1 MHz, sync, integrated sensor supply 5 V
LWL-SPI	Optical transmission of SPI-signals, up to 1 Mbit/s, integrated sensor supply 3,3 V / 5 V
LWL-SPI-hs	Optical transmission of SPI-signals, up to 10 Mbit/s, integrated sensor supply 3,3 V / 5 V
LWL-SSI	Optical transmission of SSI-signals, up to 1 Mbit/s
LWL-TTL	Optical 16-channel transmission of TTL-signals, (optionally bi-directional), up to 100 kHz, 3.3 V / 5 V
LWL-UART-d	Optical transmission of bi-directional UART-signals (Rx+Tx), up to 20 kbit/s
LWL-USB2.0	Optical transmission of USB2.0-signals, up to 480 Mbit/s
LWL-U1-8	Optical transmission of analogue signals, min. 8 bit resolution, up to 50 MHz
LWL-U1-12-20k	Optical transmission of 1-channel analogue signals, without external power supply, up to 20 kHz
LWL-U1-14	Optical transmission of 1-channel analogue signals min. 10 bit resolution, up to 10 MHz
LWL-U1-14-30	Optical transmission of 1-channel analogue signals, min. 10 bit resolution, up to 30 MHz, +/- 1V input
LWL-U1-14i	Optical transmission of 1-channel analogue signals, min. 10 bit resolution, up to 10 MHz, additional range of gain: 100 / 1000 with 100 kHz
LWL-U2-8	Optical 2-2-channel transmission for analogue signals, min. 8 bit resolution, up to 20 MHz
LWL-U2-12	Optical 2-channel transmission of analogue signals, min. 10 bit resolution, up to 10 MHz
LWL-U2-14-1M	Optical 2-channel transmission for analogue signals, min. 10 bit resolution, up to 1 MHz
LWL-U8-12	Optical 8-channel transmission of analogue signals, min. 10 bit resolution, up to 1 MHz
LWL-U16-12	Optical 1.16-channel transmission of analogue signals, min. 10 bit resolution, up to 100 kHz;