

WISI LX 16 S 10xx

DWDM Upstream-Transmitter

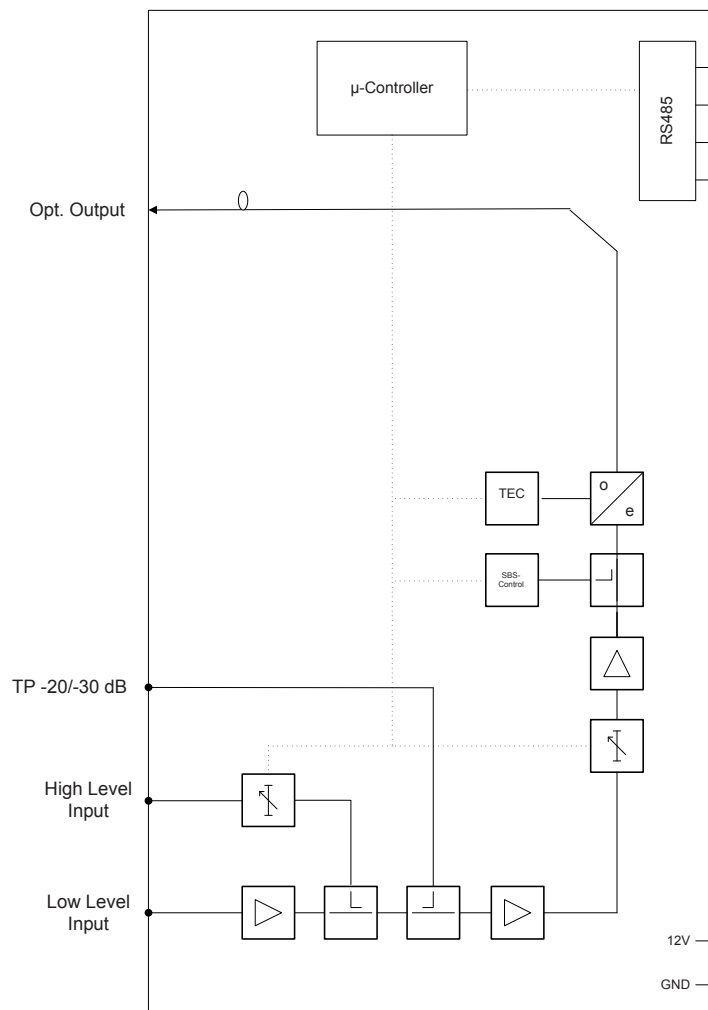


At a glance:

- Temperature stabilized DFB laser
- SBS suppression
- Adjustable OMI
- Hot Plug In/Out
- Optical DWDM transmitter for use in WISI Chassis LX 50
- Upstream transmitter 5...500 MHz

Description

The LX 16 is part of the Optopus product portfolio. LX 16 is a cooled direct modulated DWDM upstream transmitter. The Optopus platform is a highly flexible and high density platform for all kinds of analog optical networks. The system is used in any network such as HFC, RF over Glass or RF Overlay in FTTX applications.



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Technical data

Laser type	Temperature stabilized DFB laser
Wavelength	100 GHz DWDM Grid
Optical output power	10 dBm (10 mW)
Relative intensity noise (RIN)	< -155 dB/√Hz
Optical return loss	>40 dB
Frequency range	5...500 MHz
Frequency Response (E-O)	≤ ±0,75 dB
input level (Low-Level-Input)	78 dBμV
input level (High-Level-Input)	88 dBμV
OMI setting range	3...10 %
Decoupling (High-Level > Low-Level)	≥50 dB
Input measurement socket	-20/-30 dB (Low-Level-/High-Level-Input)
Return loss	≥20 dB
Dynamic range by 40 dB NPR	≥10 dB
MER	≥44 dB (6 QAM-Channels (BW 6,4 MHz), 5% OMI, -10 dBm @ Receiver (2pA/√Hz))

Connectors

Optical connector	SC/APC
RF connector	F (75 Ohm)

General data

Supply voltage	12 V DC
Power consumption	≤7 W
Dimensions (width x height x depth)	30 x 133 x 320 mm (WISI Chassis LX 50)
Environmental parameters	-5...+45 °C (EN300 019-1-3 Class 3.2)