

# WISI LX 10 S BF21

Optischer Sender mit hoher Leistung



## Kurzbeschreibung

The S-type series transmitters are designed to be the most versatile model within the WISI LX10 series family. They can easily be configured to meet most HFC network solutions requiring link lengths in the range of 50 to 70 kilometers with one EDFA as well as links utilizing multiple EDFA's. The WISI LX10 series product line is a family of state-of-the-art high performance 1550 nm externally modulated CATV fiber optic transmitters optimized for varying network applications. Packaged in a convenient 1RU housing, this line of optical transmitters couples high optical output powers, up to 11.0 dBm, with low optical linewidth resulting in unmatched performance. The optical modulator, combined with proprietary predistortion circuitry, provides superior CTB and CSO performance with SBS suppression levels of greater than 20 dBm. Advanced features such as built in field adjustable SBS control and electronic dispersion compensation allows these transmitters to be quickly optimized in the field for any link or application without the need to procure specifically tuned transmitters. This affords the system designer a level of flexibility previously unknown in the CATV market place.

## Auf einen Blick:

- Zwei optische Ausgänge
- Vor Ort einstellbare SBS-Unterdrückung
- External modulated transmitter
- Redundant & hot swappable power supplies
- Management via web interface and SNMP
- Field adjustable SBS suppression

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Technische Änderungen und Druckfehler vorbehalten. 8. Juni 2016, 11:37 vorm.

## Technische Daten

Wellenlänge	ITU ch. 23
Verbindungslänge	max. 100 km (in Kombination mit weiteren EDFA)
Optische Ausgangsleistung	2x +10 dBm
SBS-Unterdrückung	≥ 16,0 dBm
Träger-Rausch-Verhältnis	≥ 53,0 dB
Signal performance (37 analog, 50 digital) CSO/CTB	≥ 70,0 dBc
Eingangsepegel	78 / 87 dBμV (PAL-Level/SAT-HF)
Front Panel HF Verstärkung/OMI Verstellbereich	+2/-4 dB (from nominal setting)
CATV Frequenzbereich	47...1006 MHz
CATV flatness	± 0.50 dB (47 MHz ... 550 MHz), ± 0.75 dB (47 MHz ... 1006 MHz)
CATV elektrische Rückflussdämpfung	≥ 16 dB (47...1006 MHz)
CATV HF Testbuchse	-20 dB (± 1 dB)
<b>Allgemeine Daten</b>	
optische Anschlüsse	Hinten: E2000/APC
EMV	EN50083-2
Sicherheitsstandards	IEC 60950-1; IEC 60728-11; Laser IEC 60825-2
Betriebstemperaturbereich	0...50 °C (ETSI EN 300 019-1-3 Class 3.2)
Versorgungsspannung	230 V AC, AC primary, AC secondary
Leistungsaufnahme	≤ 65 W
Abmessungen (BxHxT)	483 x 45 x 381 mm
CNR Testkonfiguration	EDFA: 16 dBm, Link: 65 km, Empfangsleistung: 0 dBm

## Verpackungsdaten

Verkaufseinheit	St.
Abmessungen (BxHxT) Verkaufseinheit	mm
Verpackungsvolumen Verkaufseinheit	dm <sup>3</sup>
Bruttogewicht Verkaufseinheit	kg
Versandeinheit	St.
Abmessungen (BxHxT) Versandeinheit	mm
Verpackungsvolumen Versandeinheit	dm <sup>3</sup>
Bruttogewicht Versandeinheit	kg
EAN	4010056717742
Artikelnummer	71774
Zolltarifnummer	85176200

LX 10 X x x x x

### Power supply:

- 1 – AC primary, AC secondary
- 2 – AC primary, DC secondary
- 3 – DC primary, DC secondary
- 5 – AC primary, no secondary
- 6 – DC primary, no secondary

### Output:

- 0 – Rear SC/APC
- 2 – Rear E2000/APC
- 3 – Rear LC/APC
- 6 – Front SC/APC
- 7 – Front E2000/APC
- 8 – Front LC/APC

### Wavelength:

- 0 – 1555 +/- 5 nm
- 1 – 1550 +/- 5 nm (standard)
- A – ITU ch. 18
- B – ITU ch. 19
- ...
- W – ITU ch. 40

### Output power:

- 7 - 2x 7 dBm
- 8 - 2x 8 dBm
- B - 2x 10 dBm

### Transmitter type:

- K
- S
- L
- P - Power supply