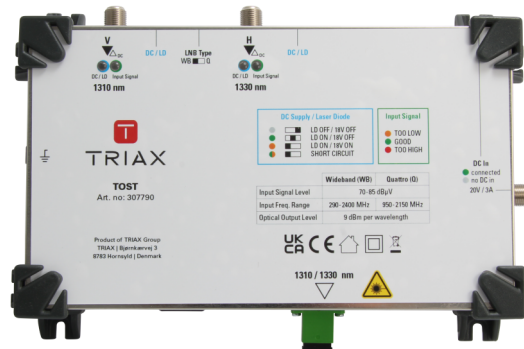


TOST Optical Sat Transmitter

Art. Number 307790



Integrated services on a single fibre

- SAT-IF distribution over fibre optics (FO) can supply many households over larger distances, with feed from a central satellite dish station.
- Almost lossless transmission of satellite, DVB-T and DAB signals. Attenuation per 1000 m only about 0.3 dB.
- Future-proof and widest possible variety of channels.
- Space-saving installation - a 3 mm optical fibre replaces five 7 mm coaxial cables.

TOST - TRIAX Optical Satellite Transmitter is the core component on headend side of the TOF (Triax Optical Fibre) system. This unit converts RF Wideband or Quattro SAT-IF for transmission over a PON (Passive Optical Network).

- The transmitter is an installer friendly plug-and-play solution thanks to built-in Automatic Gain Control (AGC) and Automatic Slope Control (ASC) of the RF inputs.
- The TOST consists of two separate optical transmitters 1310 and 1330nm for wideband SAT-IF LOW and HIGH bands. They are combined to a WDM signal at the TOST output for transmission over single mode fibre cabling.
- The optical output signal of this headend unit can drive up to 64 optical splits directly.
- Up to 128 splits can be deployed when using the TWOC optical wideband receivers.
- Please order mains PSU adapter separately, preferred 18V/2A (318166).

Technical Specifications

ORDER INFORMATION

EAN Number 5702663077904

OPTICAL CHARACTERISTICS

Optical output power | dBm 9 dBm
Optical splitting in PON (max.) 64 / 128*

CHARACTERISTICS

LNB type Wideband / Quattro switchable
Wavelength | nm 1310 / 1330 nm



Technical Specifications

Laser class	M1
Laser type	DFB
Gain ripple across band (max.) dB	±1.5 dB
SAT-IF input level range dB μ V	70...85 dB μ V
AGC (Automatic Gain Control) dB	15 dB
LNB feed voltage (through SAT-IF input) VDC	18 VDC

FREQUENCY RANGE

RF frequency range, horizontal polarities GHz	290...2400 GHz
RF frequency range, vertical polarities GHz	290...2400 GHz

OPERATIONAL

DC Operating voltage VDC	18...20 VDC
Remote Supply V/mA	18/400 V/mA
PSU/adapter INFO	To be ordered separately
PSU/adapter Art number	318166 - 18-20V/2-3A PSU adapter to mains 100...240Vac UK plug
Weather Proof Rating	Indoor
Temperature - operating °C	-10...+50 °C

CONNECTORS

Connector Optical	SC/APC
RF inputs	2 x Ff: Sat V, Sat H
Connector power supply	F-female

MECHANICAL

Dimensions product (H x D x W) mm	141 x 50 x 221 mm
Packing QTY	1
Packaging Height m	0.295 m
Packaging Width m	0.160 m
Packaging Depth m	0.057 m
Packaging Volume m ³	0.003 m ³
Net Weight kg	0.510 kg
Tara Weight kg	0.110 kg
Total Weight kg	0.620 kg
Remarks	*) TWOC Only