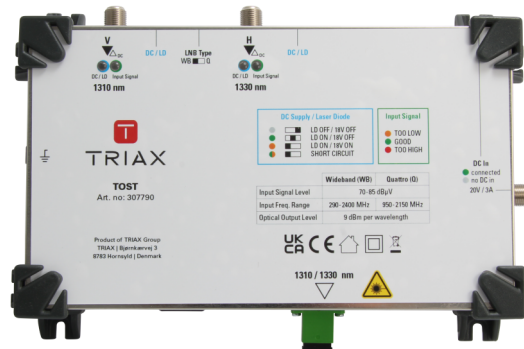


## TOST Optical Sat Transmitter

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   dBμV               | 70...85 dBμV |
| 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/adaptor INFO             | To be ordered separately                                       |
| PSU/adaptor 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   m3               | 0.003 m3          |
| Net Weight   kg                     | 0.510 kg          |
| Tara Weight   kg                    | 0.110 kg          |
| Total Weight   kg                   | 0.620 kg          |
| Remarks                             | *) TWOC Only      |