

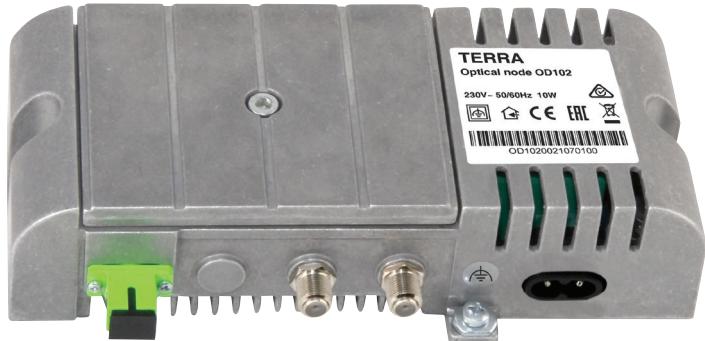
# TERRA Fibre Receiver 114dB<sub>P</sub>V Output with SC/APC Connectors 47-862/1006MHz 20MM-OD102



The Terra OD102 is a compact but powerful CATV band optical receiver outputting up to 114dB<sub>P</sub>V in AGC mode with a 42 channel loading. With electronic settings for most parameters, it is straightforward to set up and operate.

## Features and Benefits

- » 114dB<sub>P</sub>V maximum output power (42Ch)
- » Frequency range selectable 47-862MHz or 47-1006MHz
- » Optical wavelength 100-1600nm with an optical input range +2 to -9dBm
- » 15.5dB attenuation and slope control by 0.5dB steps
- » Robust die-cast housing
- » Digital indication of optical input level to help troubleshoot network problems



## Specifications

Optical wave length	1100-1600nm
Optical input level (OLC range)	-9...2dBm
Optical return loss	>45dB
Noise current density	≤6.5pA/√Hz
Frequency range, switchable*	47-862/1006MHz
Impedance	75Ω
Return loss	≥18dB at 40MHz -1.5dB/oct
Frequency response	±0.75dB
Output level (OLC controlled, 3.5% OMI)	114dB <sub>P</sub> V
Output level CTB (EN60728-3)**	114dB <sub>P</sub> V (42ch.)
Output level CSO (EN60728-3)**	114dB <sub>P</sub> V (42ch.)
Interstage attenuator*	0-15.5dB by 0.5dB step
Interstage equalizer*	0-15.5dB by 0.5dB step
Loss in test point	-20dB ± 0.7dB
Power consumption	230V~ 50/60Hz 10W
Operating temperature range	-20° ÷ +50°C
Dimensions/Weight (Packed)	185.5x95x47mm/0.9kg

\* Software control

\*\* Output level (CTB, CSO) is measured with 9 dB interstage equalizer, OMI 3,5%, OLC on, 1310 nm, @-3 dBm