

Transmisor de fibra óptica / Optical fiber transmitter

Ref. 238201

Art. Nr. OMS1310

Descripción Entradas y Salidas / Input & Output description



- 1 - Alimentación (11-35 V_{DC})
Power IN (11-35 V_{DC})
- 2 - Terminal de puesta a tierra
Earth terminal
- 3 - Salida óptica
Optical Output
- 4 - LED de encendido
Power ON indicator
- 5 - Indicador de nivel óptico
Optical level indicator
| ■ (green) +3 dBm
- 6 - OMI test point
Toma test OMI
- 7 - Entrada RF
RF Input

Especificaciones técnicas / Technical specifications

Características técnicas		Technical specifications		238201	
Parámetro RF		RF Parameter			
Rango frecuencia	Frequency range	MHz		47 ... 2400	
Planicidad (47-1200MHz)	Flatness (47-1200MHz)	dB		+/- 0,75	
Impedancia entrada	Input impedance	Ω		75	
Planicidad (950-2400MHz)	Flatness (950-2400MHz)	dB		+/- 2,5	
Nivel entrada RF (47-1200MHz)	RF input level (47-1200MHz)	dBmV / dBuV		19/Channel (42ch CENELEC) / 79/Channel (42 ch CENELEC)	
C/N	C/N	dB		>51 note 1 (42ch CENELEC)	
CSO	CSO	dB		>60 note1 (Typ >70) (42ch CENELEC)	
CTB	CTB	dB		>65 note1 (Typ >70) (42ch CENELEC)	
Toma test OMI	OMI Test point	dBmV / dBuV		4/Channel (42ch CENELEC) / 64/Channel (42 ch CENELEC)	
Nivel entrada (950-2400MHz)	RF input level (950-2400MHz)	dBmV / dBuV		35 dBmV (DIN-VDE 0855/12)/ 95 (DIB-VDE 0855/12)	
Config. recomendada:	Nivel entrada RF (47-1200MHz)	Recommended configuration:	RF input level (47-1200MHz)	dBmV / dBuV	19/Channel (42ch CENELEC) / 79/Channel (42 ch CENELEC)
	Nivel entrada RF (950-2400MHz)		RF input level (950- 2400 MHz)	dBmV / dBuV	20/Channel (Full polarity satellite) / 80/Channel (Full polarity satellite)
Parámetros ópticos		Optical parameter			
Láser	Laser	type		MQW-DFB	
Longitud de onda	Wavelength	nm		1310	
Potencia de salida	Output power	dBm		+3	
General		General			
Conector RF	RF connector	Type		F-female	
Conector de alimentación	Power supply connector	Type		F-female	
Tensión de alimentación	Power supply voltage	V _{DC} / mA		11-35 / 120-40	
Material del chasis	Housing material	Type		Zamak/ABS	
Rango de temperatura	Operating temperature	°C / °F		-5 ... +45 / +23 ...+113	
Dimensiones	Dimensions	mm / in		185 x 80 x 35 / 7.27" x 3.15" x 1.38"	
Peso	Weight	g / lb		400 / 0.88	
Indice de protección	Index operation	IP		30	

Note 1: Rx input power -1dBm.

ES Importantes instrucciones de seguridad

Condiciones generales de instalación

1. Lea las instrucciones.
2. Conserve estas instrucciones.
3. Preste atención a todas las advertencias.
4. Siga todas las instrucciones.
5. No utilice este aparato cerca del agua.
6. Limpie la unidad sólo con un paño seco.
7. No bloquee las aberturas de ventilación. Realizar la instalación de acuerdo con las instrucciones del fabricante.
8. No la instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas u otros aparatos (incluyendo amplificadores) que produzcan calor.
9. Utilice solamente los aditamentos/accesorios especificados por el fabricante.
10. Desenchufe este aparato durante las tormentas eléctricas o cuando no lo utilice durante largos periodos de tiempo.
11. Solicite todas las reparaciones a personal de servicio cualificado. Solicite una reparación cuando el aparato se haya dañado de cualquiera forma, se ha derramado líquido o han caído objetos dentro del aparato, el aparato ha sido expuesto a la lluvia o humedad, no funciona normalmente, o haya sufrido una caída.

Atención

- Para reducir el riesgo de fuego no exponer el equipo a la lluvia o a la humedad.
- El aparato no debe ser expuesto a caídas o salpicaduras

de agua. No situar objetos o recipientes llenos de líquidos, como jarrones, sobre o cerca del aparato.

- En el caso de que cualquier líquido u objeto caigan dentro del aparato, debe de ponerse en contacto con el servicio técnico.

Instalación segura

- La temperatura ambiente no debe superar los 45°C.
- No situar el equipo cerca de fuentes de calor o en ambientes de humedad elevada.
- No situar el equipo donde pueda estar sometido a fuertes vibraciones o sacudidas.
- Deje un espacio libre alrededor del aparato para proporcionar una ventilación adecuada.
- No situar sobre el aparato fuentes de llama desnuda, tales como velas encendidas.

Precauciones de conexión:

- Tratar con sumo cuidado la punta desprotegida de los conectores, pequeños arañazos, rasaduras, impurezas y/o partículas de suciedad, aceites, grasas, sudor, etc.. Pueden degradar significativamente la señal.
- Para la limpieza de la punta de los conectores, frotar (sin ejercer presión) con una toallita de limpieza con base en alcohol isopropílico, específica para la limpieza de elementos ópticos. Antes de realizar la conexión dejar secar totalmente el alcohol.
- Reservar las tapas de conectores y capuchones de los cables para futuras operaciones de extracción/protección de los mismos.
- Colocar siempre las tapas protectoras a los conectores de los equipos que no estén conectados

a cables para evitar que el haz láser pueda alcanzar los ojos.

- Evite en lo posible el encendido del transmisor sin tener la fibra conectada a dicho transmisor.

Precauciones de Seguridad

Aviso.-

Este producto emite un rayo de luz invisible láser. Evite exponerse a la radiación láser. El uso de aparatos de ayuda visual (por ejemplo binoculares, lupas, etc.) puede aumentar el peligro a los ojos.



Acorde a EN 60825-1: 2014

Emisión máxima de radiación láser: 3dBm
Longitud de onda emitida: 1310nm



Precaución

- El uso de controles o ajustes, así como procedimientos diferentes a los especificados en éste manual puede provocar la exposición de partes del cuerpo a radiaciones nocivas.
- Lea y siga las instrucciones en este manual cuidadosamente, retenga éste manual para referencia futura.
- No utilice los equipos de forma no conforme con estas instrucciones de operación ni bajo

cualquier condición que exceda las especificaciones ambientales estipuladas.

- El usuario no puede dar servicio técnico a estos equipos. Para asistencia técnica contacte con nuestro departamento de asistencia técnica.
- El rayo láser no debe ser apuntado a las personas y/o animales intencionalmente.

Simbología



Equipo diseñado para uso en interiores.



Terminal de puesta a tierra.



El equipo cumple los requerimientos del marcado CE.



Este símbolo indica el pleno cumplimiento con los estándares FCC.

EN Important Safety Instructions

Caution Statements

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning

- Reduce the risk of fire, do not expose this apparatus to rain or moisture.

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Should any liquid or object fall into the equipment, please refer to qualified personnel for service.

Safe installation

- Ambient temperature should not be higher than 113°F.
- Do not place the equipment near heat sources or in a highly humid environment.
- Do not place the equipment in a place where it can suffer vibrations or shocks.
- Please allow air circulation around the equipment.
- Do not place naked flames, such as lighted candles on or near the product.

Optical connection instructions:

- An SC/APC single mode fiber cable must be used. Remove the protective cover from the optical connector on the unit and the cap on the cable connector.
- Carefully align the guides on both connectors when plugging a cable to the device, then push the connector all the way in.
- Take special care to avoid damaging the unprotected ends of the connectors, as small scratches, impurities and/or particles of dirt, oil, grease, sweat, etc. may significantly affect the quality of the signal.

- To clean the ends of the connectors, gently rub with a lint-free lens cleaning cloth, dampened using additive-free isopropyl alcohol. Make sure the alcohol evaporates fully before connecting. Keep the connector covers and cable caps in a safe place in case they are needed in the future. Always fit the covers on the connectors of devices that are not connected to cables to prevent the laser beam from damaging the eyes.
- Do not turn the transmitter on without a fiber optic cable connected to it.

Safety measures

Warning.-

This product emits an invisible laser beam. Avoid contact with laser radiation. The use of equipment such as binoculars or magnifying glasses may increase damage caused to the eyes.



According to EN 60825-1: 2014

Maximum Output: 3dBm
Emitted Wavelength (s): 1310nm



Caution

- The use of the equipment in any other way than the specified in this manual may lead to exposure to harmful radiation.
- Do not use the equipment in any way that does not comply with the operating instructions or in any conditions that exceed the stipulated atmospheric specifications.
- Never point the laser beam at people or animals.

Symbology



Equipment designed for indoor use.



Earth terminal.



The equipment meets the CE marking requirements.



This symbol indicates full compliance with the FCC Standards.

Televés Limited Warranty

Televés S.A guarantees this product as per legislation applicable for this type of product at the time and in the country of purchase.

- (A) Televés warrants, only to the original Purchaser, all Products be free from any defect in materials or workmanship for a period of two (2) years from the date of original purchase, unless otherwise specified.
- (B) Televés shall, free of charge and in its sole discretion, either repair, replace with a new or factory reconditioned equivalent, or refund the purchase price of the Product(s), that has been determined by Televés to be defective in material or workmanship, subject to the limits of this warranty.
- (C) This warranty excludes any damage or inoperability

resulting from:

- (I) use or installation that is not in strict compliance with the written instructions and specifications;
- (II) any modification or alteration performed by any third party not authorized in writing by Televés;
- (III) service or repair performed by any third party not authorized in writing by Televés;
- (IV) misuse, abuse, intentional harm, or lack of reasonable care;
- (V) fire, ice, snow, rain, wind, water, volcano, excessive heat or cold, lightning, flood, power surge, earthquake, or any other acts of God;
- (VI) war, crime, strike, riot, electro-magnetic pulse, or any other acts beyond the control of Televés;
- (VII) shipping.
- (D) All claims under the terms of this warranty must be made in writing, by the original Purchaser, within fourteen (14) days of the defect being known to the Purchaser. Such claims shall be accompanied

by a description of any material facts related to the claimed defect and the invoice or other proof of original purchase date and price. If Televés so requests, the Purchaser shall, at Purchaser's expense, deliver the claimed Product(s) to Televés, within 14 days of the date of the return authorization. Under no circumstances shall the Product(s) be returned to Televés without a return authorization.

- (E) Any refund to the Purchaser, shall be limited to the purchase price of the Product(s), excluding any applicable taxes, duties, freight costs, removal costs, installation costs, or any other charges incident to the purchase of the product.
- (F) Any damage caused by shipper shall be claimed with the shipper in accordance with the shipper's policies and procedures.
- (G) Televés shall in no event and under no circumstances be liable or responsible for any consequential,

indirect, incidental, punitive, direct or special damages based upon breach of warranty, breach of contract, negligence, strict tort liability or otherwise or any other legal theory, arising directly or indirectly from the sale, use, installation or failure of any product acquired by Purchaser from Televés.

- (H) This limited warranty extends to the original Purchaser and cannot be assigned or transferred to any other party without the prior express written permission of Televés, which permission Televés may withhold for any reason or for no reason at all.
- (I) Televés will not assume any liabilities for any other warranties, whether statutory, express or implied, made by any other person.
- (J) Televés reserves the right to modify or discontinue this warranty at Televés' sole discretion without notification. No other warranties are expressed or implied.