

Product Information

OpTxA-Mk2

Optical Power Sensor for active fibers

The OpTxA-Mk2 is a stand-alone measurement and monitoring device for active optical fibers. It contains an integrated optical coupler and a power meter. The thresholds for the optical power values are easily programmable with the built-in keys. The integrated display shows the measurement values and settings.

The sensor is equipped with dry output relay contacts to allow for remote alarming. Additionally it can be supplied with plug-in interface

modules for the LANCIER Tx-Bus or CAN-Bus in order to integrate it into the Unified Monitoring System (UMS). Especially when combined with an OTDR-based monitoring system (refer to RTU) an all-inclusive surveillance of dark and active fibers can be realised very economically.



Technical Data

Measurement range	10 ... -60 dBm
Resolution	0.1 dB
Optical Coupler	90/10 %, integrated
Supply voltage	36 - 72 VDC
Power consumption	50 mA typ.
Display	3-digit, LCD
Signal LEDs	red, Alarm yellow, Acknowledged alarm green, Display attenuation red, Remote operation
Local User Interface	Set threshold Acknowledge alarm
Signal outputs	dry change-over contact
Max. switchable voltage / current	100 V DC / 0.1 A DC
Dimensions sensor	43.3 / 129.0 / 167.0 mm
Dimensions drawer	42.0 / 484.0 / 278.0 - 353.0 mm (1HU /19")

Ordering Data

OpTxA-Mk2 Module with display and keys. Signal output via dry contacts. Fits into 19"- drawer (1 HU).	Order-no. 071850.00A
A: Fiber Connector ST = 2 Fiber Connector SC/PC = 3 Fiber Connector DIN/PC = 4 Fiber Connector SC/APC = 5 Other connectors upon request	Fiber Connector FC/APC = 6 Fiber Connector LC = 7 Fiber Connector E2000 = 8 Fiber Connector FC/PC = 9
Lancier Tx-Bus Interface Internal plug-in module for connection to monitoring systems DW 1005E or DW 101E	Order-no. 071700.000
CAN - Interface Internal plug-in module for connection to RTU or Ethernet via CAN-Ethernet adaptor	Order-no. 072050.000
Other interfaces (RS232, RS485) upon request	
CAN - Ethernet adaptor External module for connection of several transducers to TMN / Lancier UMS via SNMP	Order-no. 072240.000
Drawer 19" 1HU for max. three Mk2 sensors	Order-no. 071863.000