

Product Information

FiberTxA-Mk2

Optical Fiber Attenuation Sensor for dark and active fibers

The FiberTxA-Mk2 is a stand-alone measurement and monitoring device for dark and active optical fibers. It contains a laser diode and a power meter. The FiberTxA-Mk2 uses a spare optical fiber as a measurement loop which is being measured continuously. The monitoring of a fiber between two stations is provided by the use of two fiberTxA. One is acting as a transmitter while the other acts as a receiver. The thresholds for the attenuation 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).



Technical Data

Measurement range	-9.9 - 50 dB
Resolution	0.1 dB
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	40.3 / 129.0 / 167.0 mm
Dimensions drawer	42.0 / 484.0 / 278.0 - 353.0 mm (1HU / 19")

Ordering Data

FiberTxA-Mk2

Module with display and keys. Signal output via dry contacts.
Fits into 19"- drawer (1 HU).

Order-no. 071840.0WA

W: Wavelength 1310 nm Multimode = 7 Wavelength 1310 nm Singlemode = 8 Wavelength 1625 nm Singlemode = 9	A: Fiber Connector ST = 2 Fiber Connector SC/PC = 3 Fiber Connector DIN/PC = 4 Fiber Connector SC/APC = 5 Fiber Connector FC/APC = 6 Fiber Connector LC = 7 Fiber Connector E 2000 = 8 Fiber Connector FC/PC = 9
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Other connectors upon request.

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

Wall housing with power supply unit 48/60 VDC (Dim. (WxHxD): 210x270x240 mm)

Order-no. 072723.000

Wandgehäuse with power supply unit 115-230 VAC (Dim. (WxHxD): 210x270x290 mm)

Order-no. 072723.008

Power supply 115-230VAC / 48VDC complete

Order-no. 070257.000