

Product Information

RM-Fiber

Optical Fiber Attenuation Module for dark and active fibers

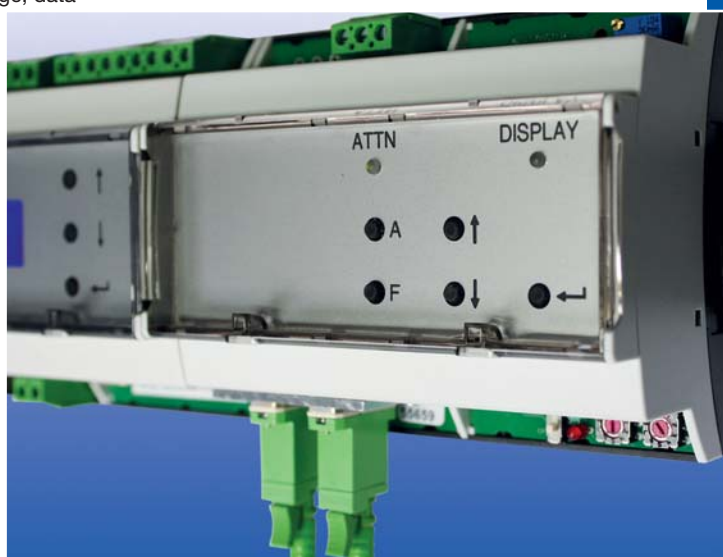
The LANCIER Monitoring Rail-Module-Bus is a modular and robust sensor system.

Several measuring modules are mounted on a DIN rail and are directly connected to one another by means of plug-in contacts. The supply voltage, data analysis and control panel as well as their transmission to the remote measuring stations are carried out via the RM-Basic module.

The RM-Fiber module is a stand-alone measurement and monitoring device for dark and active optical fibers. It contains a laser diode and a power meter. The RM-Fiber module 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 RM-Fiber modules. One is acting as a transmitter while the other acts as a receiver.

The thresholds for the attenuation values can be programmed with no restriction using an integrated keypad and the basic module's display. All settings are saved in an internal EEPROM memory to prevent losses.

For the remote alarm system the RM-Fiber module possesses built-in dry output contacts. Additionally it can be connected to the LANCIER Tx-Bus, a Can-Bus or a telecontrol system via Modbus.



RM-Basic module

RM-Fiber module

Technical Data

Measurement range	-9.9 .. 50 dB
Resolution	0.1 dB
Supply voltage	by RM basic module
Operating temperature	-20 °C .. +50 °C
Admissible ambient humidity	0 .. 95 % rel. humidity, non-condensing
Display	by RM-Basic module
Signal LEDs	1 x green/red: alarm/acknowledged alarm 1 x blue: LC display of RM basic module is active for this sensor
Signal outputs	dry change-over contact for attenuation alarm
Max. switchable voltage / current	100 V DC / 0.1 A DC
Dimensions RM-Fiber (W x H X D)	108 x 62.2 x 89.7 mm

Ordering Data

RM-Fiber

Measuring module for optical fiber attenuation with display and keys. Signal output via dry contacts.

Order-no. 074704.0WA

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 E2000 = 8
Fiber Connector FC/PC = 9 Other connectors upon request

RM-Basic

Power supply, communication and display module for the RM-Bus

Order-No. 074001.100

19" DIN rail for RM-Series, 3 HU

Order-No. 075416.000