

## DM1 - RS232 DATA



The OPTRAL Series DM1 allows the transmission and reception of RS232 data signals over multimode optical fibre. Two transceivers and two optical fibres form the basic system. One special model has been designed for transmission and reception over one single fibre.

All the models comply with the requirements according to the Electromagnetic Compatibility and Low Tension Standards (CE Marking).

### **FEATURES**

- Multimode Optical Fibre
- Wavelength 850 nm and 1300 nm
- Modular Units and Rack Cards
- Configurable for short and long distances
- Optical connectors: ST <sup>(1)</sup>
- <sup>(1)</sup> For other optical connectors consult us.

### **POWER / TEMPERATURE / SIZE**

- Temperature = 0° ÷ +50°C
- Humidity = 10% ÷ 90%
- 12 Vdc / 200 mA
- Modular Units
  - Type S = 105 x 95 x 32 mm
- Rack Cards = 1 Slot Rack

### **RS232 DATA**

- Data Rate ≤ 115 Kbs
- Bit Error Rate ≤ 10<sup>-9</sup>
- Operating mode = Asynchronous / Full Duplex
- Without Handshake
- RS232 connector = SubD-9 (Female)

### **ACCESORIES (NOT INCLUDED)**

- Modular Units (Power Supplies)
  - Type S = Model PS150
- Rack Cards
  - Card Cage 3U (Rack 19") = PR100

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### AVAILABLE MODELS

PART NUMBER	DESCRIPTION	FORMAT	NUMBER FIBRES	MAXIMUM ATTENUATION (2)	WAVELENGTH
DM101-XB1	Transceiver RS232 Modular	Type S	2	16 dB	850 nm
DM101-XR1	Transceiver RS232 Rack	Rack			
DM101-XB2	Transceiver RS232 Modular	Type S	2	16 dB	1300 nm
DM101-XR2	Transceiver RS232 Rack	Rack			

(2) Maximum attenuation at 62.5/125. For 50/125 reduce optical budget by 3dB.  
 Type S = 105 x 95 x 32 mm

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