



- TRANSMITTER PROFIBUS TO RS 485
- SIZE OF 113 x 98MM, WIDTH 22MM
- POWER SUPPLY 80...250 V AC/DC
- Option
Power supply 10...30 V AC/DC

OPERATION

The instrument is designed for transfer of communication among the OM xxx instruments to PROFIBUS bus without further control.

On the front panel of the transmitter there are 4 LED diodes for signalization of the operational status and communication in progress.

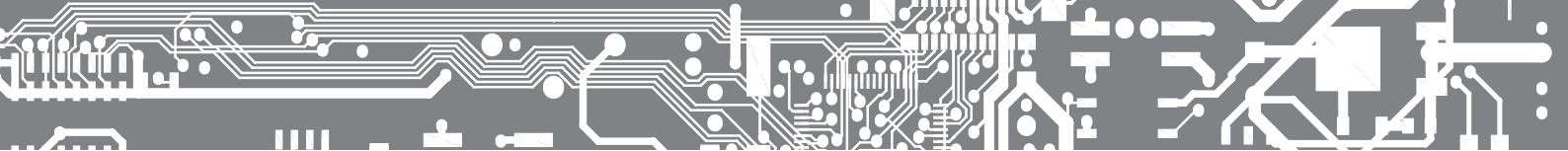
OMX PROFIBUS



The transmitter is designed for easy and cost-effective connection of ORBIT MERRET™ instruments to PROFIBUS line. One apparatus may control up to 31 instruments via the RS 485 line with communication protocol OM ASCII.

From the OM xxx instruments individual values may be downloaded from as many as 9 channels (for one instrument) as well as limit statuses may be set. Another option is projecting values and texts on displays of individual instruments.

OMX PROFIBUS
PROFIBUS DP/RS 485



TECHNICAL DATA

INPUT PROFIBUS

Address: 0...125, adjustable in OM instruments w/„00“address

Rate: 9 600 Baud...12 Mbaud

Data transmission: 54B to OM, 44B from OM

Modes:

- data downloading + setting limits
- projection of FLOAT values (Real)/LONG
- projection of texts
- sending OM ASCII commands

DATA OUTPUT

Data format: 8 bit + no parity + 1 stop bit (OM ASCII)

Rate: 600...115 200 Baud

RS 485: isolated, addressing (max. 31 instruments)

POWER SUPPLY

10...30 V AC/DC, ±10%, max. 1 VA, PF ≥ 0,4, I_{STP} < 40 A/1 ms

80...250 V AC/DC, ±10%, max. 1 VA, PF ≥ 0,4, I_{STP} < 40 A/1 ms

MECHANICAL PROPERTIES

Material: PA 66, incombustible UL 94 V-1, blue

Dimensions: 113 x 98 x 22 mm

Installation: to DIN rail 35 mm wide

OPERATING CONDITIONS

Connection: connector terminal board, section < 2,5 mm²

Stabilization period: within 5 minutes after switch-on

Working temperature: -20°...60°C

Storage temperature: -20°...85°C

Cover: IP20

El. safety: EN 61010-1, A2

Dielectric strength: 4 kVAC after 1 min between supply and input

Insulation resistance: for pollution degree II, measuring cat. III.

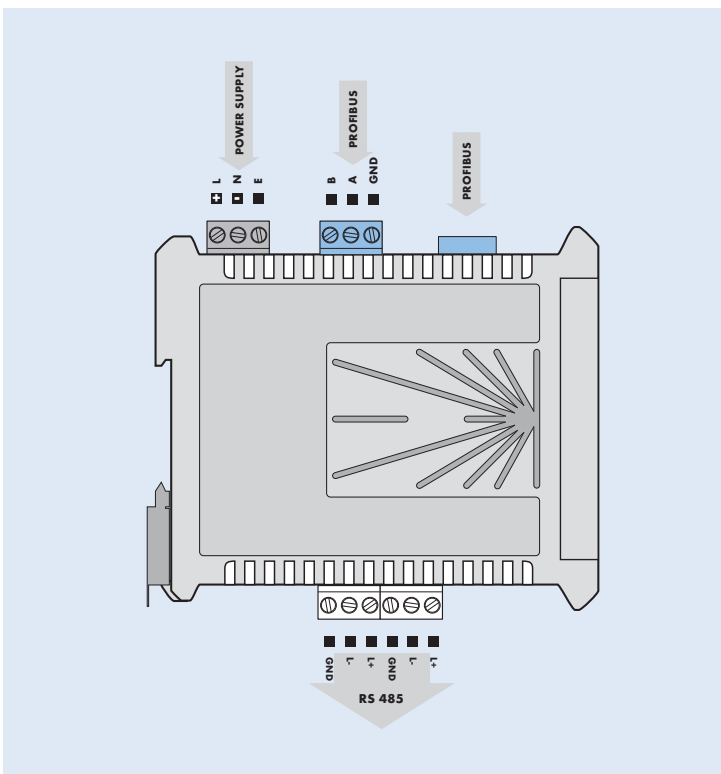
Power supply > 600 V (ZI), 300 V (DI)

input, output, Exc. > 500 V (ZI), 150 V (DI)

EMC: EN 61326-1

PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMX Profibus

Power supply	10...30 V AC/DC, isolated*	0
	80...250 V AC/DC, isolated	1

Default execution is shown in bold

* Launch for sale has not been set