

- 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.

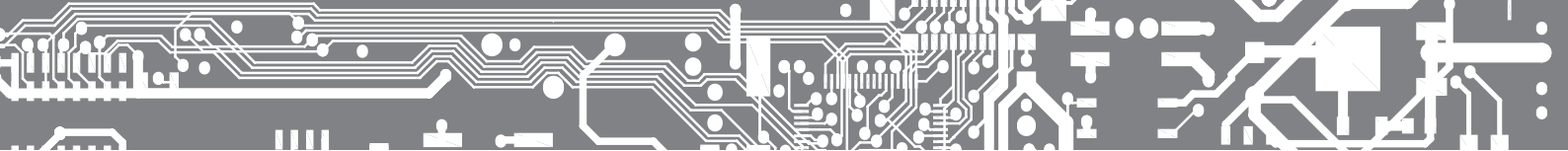
## OMX PROFIBUS



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

### MECHANIC 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  $< 2,5$  mm<sup>2</sup>

**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.

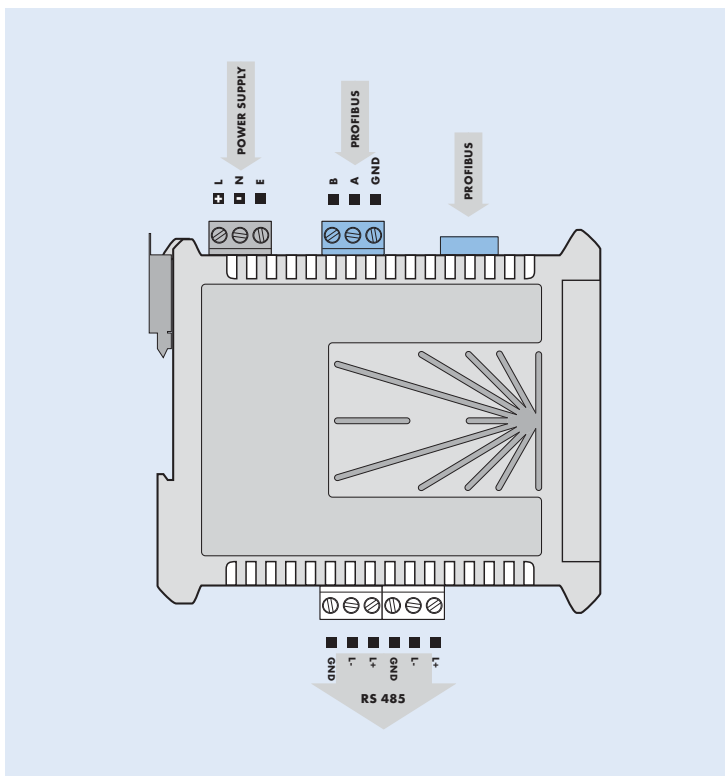
Power supply  $> 600$  V (ZI), 300 V (DI)

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*	<b>0</b>
	80...250 V AC/DC, isolated	<b>1</b>

Default execution is shown in bold

\* Launch for sale has not been set