

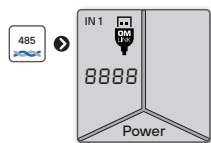
OMM 335RS



- 4-digit programmable projection
- Input RS 485
- ASCII, Modbus RTU
- Size of 51.5 x 29.5 mm, Ø 22 mm
- Power supply 10...30 VDC / 24 VAC

OMM 335RS is a 4-digit data display from the serial line RS 485. The instrument is based on a microcontroller, which ensures good accuracy and easy operation of the instrument. The 22 mm cross-section of the circular instrument body allows its convenient mounting into mosaic and signalling panels.

DATA DISPLAY RS 485



OPERATION

The instrument is set and controlled by two buttons located on its the body. Standard equipment is the OM Link USB interface, which, when using the control program, allows you to edit and archive all device settings and to update firmware. All settings are stored in FLASH memory (they hold even after the power is turned off).

STANDARD FUNCTIONS

PROGRAMMABLE PROJECTION

Input: RS 485
Protocol: ASCII - Master/Slave/Universal or Modbus RTU
Projection: 9999

TECHNICAL DATA

INPUT

No. of inputs	1
RS Input	RS 485
Protocol	ASCII - Master - the instrument controls data sending from the slave system - „COMM“ can be used to select the received data - the instrument asks with the rate of 10 queries/s ASCII - Slave - Passive bus display where other devices or computers communicate in „MAST“ mode. If the „COMM“ and the requested data are correctly received, they will be displayed by the instrument ASCII - Universal - in dynamic menu items (Stat, Ad.Un, Sign, Data, Stop, Req.) you can build your own communication protocol format Modbus RTU
Format	8 bit + no parity + 1 stop bit
Adresse	ASCII 0...31 Modbus 1...247
Rate	300...230 400 Baud
Line termination	short-circuit jumper on the connector <i>resistance inside the instrument is 120 Ω</i>

PROJECTION

Display	-999...9999, single color 7-segment LED
Digit height	14 mm
Display color	red or green
Decimal point	adjustable - in menu
Brightness	adjustable - in menu

INSTRUMENT SPECIFICATION

TC	50 ppm/°C
OM Link	company communication interface for operation, setting and update of instruments (microUSB)
Watch-dog	reset after 500 ms
Calibration	at 25°C and 40 % rh.

POWER SUPPLY

Range	24 V DC/AC, ±10 %, PF ≥ 0,4, I_{LTP} < 45 A / 1 ms, 10...30 VDC / 24 VAC, ±10 %, PF ≥ 0,4, I_{LTP} < 45 A / 1 ms, isolated
Consumption	< 0,2 W / 0,2 VA

MECHANIC PROPERTIES

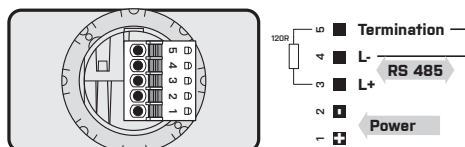
Material	PA66, incombustible UL 94 V-1, black
Dimensions	51,5 x 29,5 x 78 mm (w x h x d)
Panel cutout	Ø 22,5 mm

OPERATING CONDITIONS

Connection	connector terminal blocks, section < 1,3 mm²
Stabilization period	within 5 minutes after switch-on
Working temperatur.	-20°...60°C
Storage temperatur.	-20°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP65, front panel only
Construction	safety class I
El. safety	EN 61010-1, A2
Dielectric strength	700 VAC for 1 min. between power supply and input
Insulation resist.*	for pollution degree II, measuring cat. III power supply > 250 V (PI)
EMC	EN 61326-1:2021, Industrial area
RoHS	EN IEC 63000:2018
Seismic qualification	IEC/IEEE 60980-344 Edition 1.0, 2020, par. 6, 9
Mechanical resistance	EN 60068-2-6 ed. 2:2008

* PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMM 335RS

- [] - []

Power supply	10...30 V AC/DC 24 V AC/DC	0 2	
Display color	red green	1 2	
Specification	customized version, do not fill in		00

Basic configuration of the instrument is indicated in bold.