OM 602RS

OM 602RS

accuracy, stability and easy control.





DATA DISPLAY RS 232/485

- 6-digit programmable projection
- Input: RS 232/485
- ASCII, MESSBUS, PROFIBUS DP, MODBUS RTU
- Digital filter
- Size of DIN 96 x 48 mm
- Power supply 10...30 V AC/DC; 80...250 V AC/DC
- Option
 Excitation Comparators Analog output Three-color display 20 mm

OPERATION

The instrument is set and controlled by five buttons located on the front panel. All programmable settings of the instrument may be performed in three adjusting modes:

LIGHT MENU is protected by optional number code and contains solely items necessary for instrument setting.

PROFI MENU is protected by optional number code and contains complete instrument setting.

USER MENU may contain arbitrary items from the programming menu (LIGHT/ PROFI), which determine the right (see, change). Access w/o password.

Standard equipment is the OM Link interface, which together with operation program enables modification and filing of all instrument settings as well as performing firmware updates (with OML cable). The program is also designed for visualization and filing of measured values from more instruments.

All settings are stored in the EEPROM memory (settings hold even after the instrument is switched off). The measured units may be projected on the display.

OPTION

EXCITATION is suitable for feeding sensors and transmitters. It is continuously adjustable within the range of 5...24 VDC.

COMPARATORS are assigned to monitor one, two, three or four limit values with relay output. As a user you can select the mode limit: LIMIT/BATCH/FROM-TO. The limits have adjustable hysteresis within the full range of the display as well as selectable delay of the switch-on in the range of 0...99,9 s. Reaching the preset limits is signalled by LED and simultaneously by the switch-on of the relevant relay.

ANALOG OUTPUTS will find their place in applications where further evaluating or processing of measured data is required in external devices. We offer universal analog output with the option of selection of the type of output - voltage/current. The value of analog output corresponds with the displayed data. Its type and range are selectable in menu.

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STANDARD FUNCTIONS

PROGRAMMABLE PROJECTION

Input: both RS 232 and RS 485 Protocol: ASCII - Master/Slave/Universal, MESSBUS, PROFIBUS DP, MODBUS RTU Projection: -99999...999999

Type OM 602RS is a 6-digit panel data display from serial lines RS 232/485

The instrument is based on a single-chip microprocessor, which guarantees

with protocol ASCII, MESSBUS, PROFIBUS DP and MODBUS RTU.

FUNCTIONS

Min./max. value: registration of min/max value reached during measurement Mathemat. operations: polynom, 1/x, log., exponential, power, root, sin x

DIGITAL FILTERS

Floating average: from 2...30 measurements Exponential average: from 2...100 measurements Arithmetic average: from 2...100 measurements Rounding: setting the projection step for display

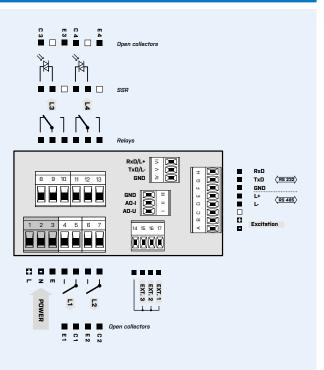
EXTERNAL CONTROL

Hold: display/instrument blocking Lock: control keys blocking Resetting MM: resetting min./max. value Functions: control of optional functions from instrument menu

TECHNICAL DATA

INPUT Number of inputs 1		PROJECTION Display: -99999999999, single color 14-segment LED; -9999999, 3-color 7-segment LED	POWER SUPPLY Range: 1030 V AC/DC, ±10 %, PF≥0,4, I _{STP} < 40 A/1 ms, isolated 80250 V AC/DC, ±10 %, PF≥0,4, I _{STP} < 40 A/1 ms, isolated
Protoco			
	PROFIBUS DP		
Format	8 bit + no parity + 1 stop bit 7 bit + even parity + 1 stop bit		
Adresss	e 031 (ASCII) / 1247 (Modbus) / 1127 (Profibus)		
Rate	300230 400 Baud 9 600 Baud12 Mbaud (PROFIBUS)		
Ext. inputs	3 inputs, on contact The following functions can be assigned: OFF input off LOCK control keys blocking HOLD display stop TARE tare activation CL M.M. resetting min/max value CL T. tare resetting		

CONNECTION



ORDER CODE -[**OM 602RS** Power supply 10...30 V AC/DC 0 80...250 V AC/DC 1 Protocol ASCII/MESSBUS A B C MODBUS RTU PROFIBUS DP Comparators 0 1 2 3 4 5 6 7 8 9 A B none 1x relay (Form A) 2x relay (Form A) 3x relays (2x Form A + 1x Form C) 4x relays (2x Form A + 2x Form C) 2x open collector 4x open collector 2x open collector + 2x relays (Form C) 2x relays (Form C) 2x SSR 2x bistable relays 1x relay (Form C) Analog output no 0 1 2 yes (compensation < 600 Ω/12 V) yes (compensation < 1000 $\Omega/24$ V) Excitation 0 no yes Display color red (14 mm) green (14 mm) 1 2

 green (14 mm)
 2

 red/green (20 mm)
 3

 Specification
 customized version, do not fill in
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Basic configuration of the instrument is indicated in bold.

PI - Primary insulation, DI - Double insulation