



## OM 602AV

OMLINK

OM 602AV is a panel programmable analog output.

The instrument is based on a single-chip microprocessor and precision D/A converter, which guarantees accuracy, stability and easy control.

### PROGRAMMABLE ANALOG OUTPUT

- 6-DIGIT PROGRAMMABLE PROJECTION
- OUTPUT: 0...5/20 mA/4...20 mA  
0...2/5/10 V;  $\pm 10$  V
- SINUS/SAW/TRIANGLE/RECTANGLE/  
RANDOM FUNCTION
- SIZE OF DIN 96 x 48 MM
- POWER SUPPLY 10...30 V AC/DC; 80...250 V AC/DC
- Option  
Excitation • Comparators • Data output  
Three-color display - 20 mm

OM 602AV  
PROGRAMMABLE OUTPUT

### 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.

**DATA OUTPUTS** are for their rate and accuracy suitable for transmission of the measured data for further projection or directly into the control systems. We offer an isolated RS232 and RS485 with the ASCII/PROFIBUS protocols.

### STANDARD FUNCTIONS

#### PROGRAMMABLE PROJECTION

**Setting:** optional projection may be set for both limit values of the AV range

**Projection:** -99999...999999

#### ANALOG OUTPUT

**Type:** isolated, programmable with a resolution of 16 bit, rate < 1 ms

**Output signal:** sinus/ramp/triangle/square/random function

**Range:** 0...2/5/10 V,  $\pm 10$  V, 0...5 mA, 0/4...20 mA

#### EXTERNAL CONTROL

**Hold:** display/instrument blocking

**Lock:** control keys blocking

**Functions:** control of optional functions from instrument menu

