

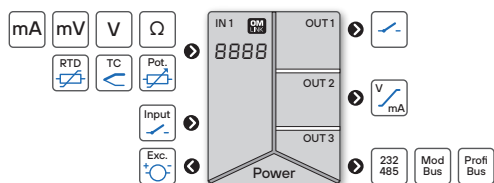


- 4/6-digit programmable projection
- Multifunction input (DC, PM, RTD, T/C, DU)
- Three-color or highly luminous LED
- Digit height 57; 100; 125 mm, IR operation
- Digital filters, Tare, Linearization
- Power supply 10...30 V AC/DC; 80...250 V AC/DC

## Option

Excitation ● Comparators ● Data output ● Analog output

## UNIVERSAL LARGE DISPLAY



The OMD 202 model series are large programmable displays for indoor and outdoor use with IP64 protection.

Type OMD 202UNI is a multifunction instrument with the option of configuration of 8 various input options, easily configurable in the instrument menu. Through another extension of input modules the No. of inputs can be extended up to 4 (applicable for PM).

The instrument is based on a microcontroller and multichannel 24-bit  $\Delta\Sigma$  ADC, which secures high accuracy, stability and easy operation of the instrument.

Displays are suitable for projection of measured data in production lines and manufacture with good legibility up to 80 m.

## OPERATION

The instrument is set and controlled by an IR remote control. 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 can be displayed on the 6-digit display.

## OPTION

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

**COMPARATORS** are assigned to monitor 1 - 4 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.

**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.

## STANDARD FUNCTIONS

### PROGRAMMABLE PROJECTION

**Selection:** of input type and measuring range

**Measuring range:** adjustable, either fixed or with automatic change (OHM)

**Setting:** manual, optional projection on the display may be set in menu for both limit values of the input signal, e.g. input 0...10 V > 0...850.0

**Projection:** -999...9999/-99999...999999

### COMPENSATION

**Wiring (RTD, OHM):** automatic (3- or 4-wire) or manual in menu (2-wire)

**Probes (RTD):** internal wiring (resistance of conductors in the measuring head)

**CJC (T/C):** manual or automatic (terminal temperature)

### FUNCTIONS

**Linearization:** non-linear signal is converted by a 50-point linear interpolation

**Tare:** designed to reset display upon non-zero input signal

**Min./max. value:** registration of min./max. value reached during measurement

**Peak value:** the display shows only max. or min. value

**Mathemat. operations:** polynomial, 1/x, logarithm, exponential, power, root, sin x and operations between inputs

### DIGITAL FILTERS

**Floating/Exp./Arithm. average:** from 2...30/100/100 measurements

**Rounding:** setting the projection step for display

### EXTERNAL CONTROL

**Lock:** control keys blocking

**Hold:** display/instrument blocking

**Tare:** tare activation

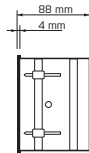
**Resetting Min/Max:** resetting min./max. value

## INPUT

**OPTION „A“**

**OPTION „B“**

## DIMENSIONS



Panel cut

Height

## PROJECTION

### INSTRUMENT SPECIFICATION

Compensation of	< 30 Ω	RTD
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## ANALOG OUTPUTS

## DATA OUTPUTS

## EXCITATION

**ORDER CODE**

\_\_\_\_\_ = \_\_\_\_\_

### Power supply

Basic configuration of the instrument is indicated in bold