

OMB 200/300/500



OMB 200UNI	1 x 20 LED
OMB 300UNI	1 x 30 LED
OMB 500UNI	1 (2) x 50 LED
	PROCESS MONITOR
	OHMMETER
	THERMOMETER FOR Pt
	THERMOMETER FOR Ni
	DISPLAY UNIT FOR LINEAR POTENTIOMETERS
OMB x00RS	DATA DISPLAY

Description

The OMB 200/300/500UNI model series are simple bargraphs designed for maximum efficiency and user comfort while maintaining its low cost.

The OMB 200/300/500UNI type is a multifunction instrument with the option of configuration for 5 different types of inputs easily configurable in the instrument menu.

The instrument is based on an 8-bit microcontroller with A/D converter, which secures good accuracy, stability and easy operation of the instrument.

Another version of the OMB 200/300/500 instrument is the RS type, a display device for projection of data from serial line RS 232/485.

By selecting the mode of insertion of the front plexiglass (reverse/face) you may choose the required printing of scale for vertical or horizontal design of the instrument.

Operation

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

Profi menu contains complete instrument setting

Standard equipment is the OM Link interface, which together with operation program enables modification and filing of all instrument settings as well as perform firmware updates (with OML cable).

All settings are stored in the EEPROM memory (they hold even after the instrument is switched off).

Options

Comparators are assigned to monitor two limit values with relay output. 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.

- Three-color bargraph 20/30/50 LED
- Multifunction input (PM, OHM, RTD, DU)
- Digital filter, Linearization **OMLINK**
- Power supply 10...30 V (250 V) AC/DC

Options

- Comparators

Standard function

PROGRAMMABLE PROJECTION

Selection: of type of input measuring range

Setting: manual, in menu optional projection on the display may be set for both limit values of the input signal

Projection: 20, 30 or 50 LED

LINEARIZATION

Linearization: by linear interpolation in 25 points (solely via OM Link)

DIGITAL FILTERS

Exponential average: from 2...100 measurements

Rounding: setting the projection step for display

EXTERNAL CONTROL

Hold display/instrument blocking

Lock control keys blocking

