

# MANAGER 300



**SET OF MODULES FOR  
INTERFACE CONVERSION  
AND COUPLING**

**MANAGER 300**

## The unit MANAGER 300 is intended for:

The unit MANAGER 300 is intended for realization of input/output functions and information processing in different automated control systems, as well as conversion and coupling of different type interfaces.

This set is composed of carrier board with split screw connectors for external connections and mezzanine submodules mounted on it. The carrier board provides control algorithm storage and operating. Each mezzanine submodule is designed for coupling with the definite type of interface.

All modules of the set have diagnostic hardware and/or software, which allow in particular determining specific signaling device or executive unit with reduced resistance of insulation.

There are two modification of the carrier board: for 2 and 5 mounting places for mezzanine submodules. Accordingly for them there are two versions of housing. Nominal supply voltage of the set is 27VDC. The carrier board and submodules provide galvanic isolation up to voltage 1,000V.

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## TECHNICAL SPECIFICATIONS

There are 10 types of mezzanine submodules for coupling with external interfaces:

1. Mezzanine submodule MCK14 has digital inputs to enter status of 14 digital sensors (27V/25mA)
2. Mezzanine submodule MKH14 has digital outputs to issue commands to 14 actuators with protection from short circuit. It is possible load operation in the mode of pulse width modulation (27V@0.5A simultaneously up to 4 channels)
3. Mezzanine submodule MBB4 has 4 digital inputs and 4 digital outputs
4. Mezzanine submodule MPB has digital outputs to issue command by 8 non-potential contacts (160V@0.5A)
5. Mezzanine submodule MPC2 is intended to receive/transfer information by 4 or 2 interface lines RS-422 or RS-485
6. Mezzanine submodule MKAH2 is intended to receive/transfer information by 2 interface lines CAN
7. Mezzanine submodule МИП is intended to determine pulse repetition frequency (2 channels - Hz..2KHz/0.1V..50V). It can be used to measure shafts speed including reversing ones.
8. Mezzanine submodule МАП8 is intended to input unitized analog signals +/-10V and +/-20mA by 8 channels with possibility to supply sensors with voltage 24VDC
9. Mezzanine submodule МТИ4 is intended to input signals by 8 channels from thermocouples and resistance thermometer
10. Mezzanine submodule MAB8 is intended to output unitized analog signals +/-10V and +/-20mA by 8 channels

## OVERALL DIMENSIONS:

Carrier board, ПНМИ 5 (LxWxH), mm	280x118x45
Carrier board ПНМИ 2, (LxWxH), mm	160x118x45
Unit in housing, (LxWxH), mm	330x130x72