



**NIEUWKOOP**

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# LEAFLET



## ZZ3000

VOLT/MA CONTROLLER,  
FREE PROGRAMMABLE



TO MEASURE  TO KNOW



## MICROPROCESSOR CONTROLLER (FREE PROGRAMMABLE)

The microprocessor-controlled panel instrument HD9022 is an indicator with alarm threshold that may be programmed and configured by the user. At input it accepts signals arriving from transmitters with two or three wires, in voltage 0-1V, 0-10V or in current 0-20mA, 4-20mA. Configuration is always completely present in the instrument, no additional cards are required. The choice for the configuration of the input signals is made by means of the keyboard on the front of the instrument. The dimensions of the instrument are 96x48mm with depth 145mm in conformity with DIN 45700. The mode of operation of the HD9022 is chosen depending on the application, configuring the instrument with the keyboard. The instrument may also be reconfigured with absolute simplicity on the field in order to adapt it to changes in processing requirements. The configuration involves the input, the scale range, the set point and the auxiliary outputs.



The HD9022 panel instrument is compact, versatile, precise and simple to program.

### APPLICATIONS

Typical applications are the display of signals sent by transmitters that may concern temperature, humidity, pressure, speed, capacity, level, force, etc. for the most varied industrial sectors, operating machines and automated systems.

### CHARACTERISTICS

- Set point configurable from -9999 to +9999.
- Indication provided by LEDs with seven ½ Inch segments.
- Separate clamp for voltage input 0-1V/0-10V and current input 0-20mA/4-20mA.
- The instrument has an auxiliary power supply: -5Vdc max 10mA and +15Vdc non stabilized max 22mA for the possible supply of 2-wire transmitters.
- Instrument accuracy:  $\pm 0,1\% \text{ Rdg} \pm 1 \text{ digit}$ .
- A/D convertor resolution: 0,1mV/digit, 2mA/digit.
- Functions: - One relay with independent exchange contact for output 1.
- One relay with independent exchange contact for output 2.
- One relay with maximum or minimum alarm closing contact.
- Resistive relay contacts 3A/220V 50Hz.
- Working temperature: (electronic components) 5-50°C.
- Power supply: On the terminal board there is a clamp for input 24V, 50Hz, and a clamp for input 220V, 50Hz.
- Instrument absorption: 5VA

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