

# Digital indicator with relay outputs PMS-970P

- ✓ Universal measuring input  
4...20 mA, 0...20 mA or 0...10 V
- ✓ 4 relay outputs: 1 A, 250 V AC
- ✓ 4 × 20 mm red LED display
- ✓ RS-485 digital output
- ✓ Integrated power supply 24 V DC
- ✓ Additional options:  
⇒ passive current output



## Functions and use

The programmable PMS-970P indicator is applicable to cooperation with the transmitters having a standard current or voltage output signal. Four alarm values controlling the relay outputs can be programmed. Diodes on the front of the indicator indicate the exceeding of the alarm values. The device can use a linear characteristic or a multi-segment characteristic freely definable by the user. The meter has RS-485/MODBUS RTU digital output and can also be provided with a passive current output with programmable range of current variation.

The PMS-970P enables the following parameters to be programmed:

- ◆ measuring value display range and decimal point position;
- ◆ level and hysteresis of action of relays;
- ◆ relay operation mode: normally connected or normally disconnected;
- ◆ input signal conversion characteristic (segmental approximation, max. 15 segments);
- ◆ display filtering level;
- ◆ "alternating control of outputs" function used to balance wear on groups of pumps.

## Technical data

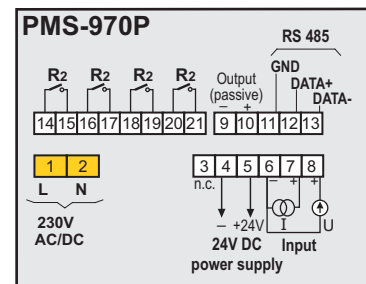
<b>Input signal</b>	0/4...20 mA or 0...10 V
<b>Display range</b>	-999 to 9999
<b>Display error</b>	±0.1%
<b>Relay outputs</b>	4 × 1 A/250 V AC, NO
special version:	2 × 1 A/250 V AC, NO/NC
<b>Power supply</b>	230 V AC
special version:	24V AC/DC
<b>Integrated power supply</b>	24 V DC stab., max. 25 mA
<b>Operating temperature range</b>	-20...50°C
<b>Storage temperature</b>	-20...70°C
<b>Casing</b>	panel type, IP65 (from the front)

## Outer dimensions:

width 96, height 48, depth 100 [mm]

**Dimensions of panel cut-out:**  
90.5 × 43 [mm]

## Wiring diagram



## Ordering procedure

PMS-970P / \_\_\_\_\_

Special version:  
**2** – version with 2 relay outputs  
**WY** – passive current output  
**24** – power supply 24 V AC/DC