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, 230 V AC**
- ✓ **4 × 20 mm red LED display**
- ✓ **Integrated power supply 24 V DC**
- ✓ **Additional options:**
  - ⇨ **Power supply 24V AC/DC**
  - ⇨ **passive current output**
  - ⇨ **RS-485 digital output**

Outer dimensions:
width **96,** height **48,** depth **120[mm]**
Dimensions of panel cut-out:
91.5 × 44.5[mm]

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 can also be provided with an RS-485/MODBUS RTU digital output and 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.

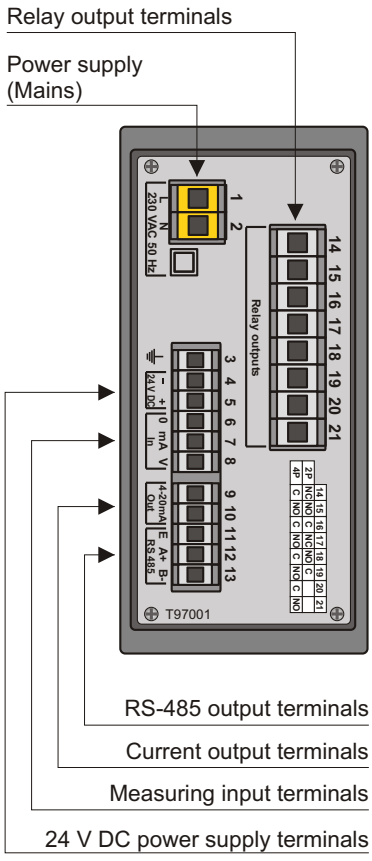
Technical data

Input signal	0/4...20 mA or 0...10 V
Display range	-999 to 9999
Display error	±0.1%
Relay outputs	4 × 1 A/250 V AC, NO
Power supply	230 V AC Spec. version 24 V AC/DC
Integrated power supply	24 V DC stab., max. 25 mA
Operating temperature range	5…40°C
Storage temperature	-10…70°C
Casing	panel type, IP-65 (from the front)

Ordering procedure

PMS-970P /___

Special version:
E – version without relay outputs
24 – power supply 24V AC/DC
WY – passive current output
RS – RS-485 interface



Back side of meter