

## PROCESS INDICATOR - TWO-STEP CONTROLLER PMO 5005 S4

for control panel-mounting  
current-voltage

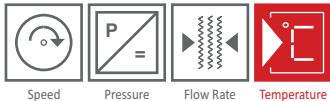


The Process indicator is applicable for displaying the measurement current or voltage using a 4-digit-display.

After removing the front panel, the programming of the device can be easily accomplished with 2 push-buttons.

In order to supply a 2-wire transducer, e.g. temperature or pressure, a galvanically isolated power supply of 24 V, DC (25 mA) is provided.

- Simple programming with 2 push-buttons after removing the front panel
- 2 and 3-wire transducer power supply
- Individually programmable measurement range and display
- Input galvanically isolated from output and power supply as well as ground
- 2 independent adjustable limit switches/ relay  
Max-min-operating current-closed current programmable
- Power Supply 18 - 30 V, DC, galvanically isolated from input
- All parameters in non-volatile EPROM
- Adjustable display intensity (7 steps)
- Underrange and overrange control



## Technical data

FRONT FRAME	48 x 24 x 95 mm (B x H x T)
MASK	Grey, RAL 7038
HOUSING	Glasfibre reinforced plastic
PANEL THICKNESS	> 2 mm
AMBIENT TEMPERATURE	0 ... 55°C
ISOLATION GROUP	A acc. to VDE 0110 (built in instrument)
RELATIVE HUMIDITY	≤ 75% in annual mean, seldom and slight condensation
CONNECTIONS	Pluggable screw type terminal block 1,5 mm <sup>2</sup>
OPERATING CONTROL	Watchdog

Panel cut-out	44 (+0,6) x 20 (+0,3) mm
Fastening	Panel clip
Power supply	18-30 V DC, 2 VA / 24 V AC (-20% ... +10%), 2 VA
Low and almost constant power consumption through switching power supply with PWM.	
Test voltage	2 kV
Storage Temperature	-10 ... +70°C
Protection	Front protection IP 50 Terminals protection IP 10
Height of display	8 mm, LED, red
Display intensity	Adjustable in 7 steps
Weight	0,065 kg

## Programmable Measuring Range

MEASUREMENT RANGE	± 30 mA, ± 3 V DC, ± 30 V DC
SMALLEST SPAN	100,0 mV bei 0,1 mV resolution
PROGRAMMABLE DISPLAY RANGE	-1999 ... +9999, programmable decimal point, automatically displayed polarity
ACCURACY	± 0,05 % ± 1 Digit at Tv = 23°C
ADJUSTABLE SAMPLING RATE	1 - 8 measurements / s or programmable average determination (2 ... 20s)
OVERRANGE DISPLAY	- o -
UNDERRANGE DISPLAY	- u -
CIRCUIT BREAK OR SHORT CIRCUIT FOR MEASURING RANGE +4...20 mA :	- - -

24 V DC / 25 mA 2- and 3-wire transducer supply, e.g. 2-wire pressure transducer

2 independent limit switches, contact load, 60 V DC; 0,5 A (min.-max., inactiv, hysteresis 0 - 99 digits), normally open contact

## Options

G2	2 independent limit switches, relay, normally open contact	S143	Alarm relays, normally closed contact
		S172	Externally adjustable decimal point