

PROCESS INDICATOR

- TWO-STEP CONTROLLER PMO 5005 S4

for control panel-/ mosaic panel mounting
current-voltage

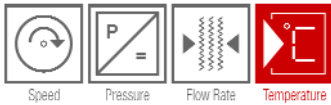


The Process indicator is a universal device for the display of current or voltage with a 4 digit-display.

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
- 4 digit display with adjustable intensity (7 steps)
- Underrange and overrange control



Technical data

FRONT FRAME	48 x 24 x 95 mm (B x H x T) RAL 7032
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 ²
OPERATING CONTROL	Watchdog

PANEL CUT-OUT	44 (+0,6) x 20 (+0,3) mm
FASTENING	Panel clip or fastening acc. to DIN (Option)
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	- 0 -
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	S137	Control input 7-segment-display (not available with option G2)
SM	Black front frame and front panel	S143	Alarm relays, normally closed contact
IP64	Front protection IP64	S167	Mosaic raster mounting
		S172	Externally adjustable decimal point