

# ELECTRONIC PRESSURE SWITCH THPS2



#### DESCRIPTION:

- OLED display
- Reverse voltage protected
- Relay output
- SS304 casing
- Switch point setting

#### APPLICATION:

- petrochemical industry
  - hydraulics
- power-engineering

#### TECHNICAL PARAMETERS:

- Measuring range: 0...0,07 až 0...1000bar
- A class of accuracy:  $\pm 0,5\%$  FS (standard),  $\pm 0,25\%$  FS
  - Operating Temperature:  $-20+60^{\circ}\text{C}$ 
    - Stability:  $\pm 0,25\%$
    - Pmax: 150% FS
- Process connection: G1/4, G1/2, M20x1,5  
NPT1/4, NPT $\frac{1}{2}$ 
  - Supply Voltage: 14~30Vdc
  - Rated relay load: max.1A
- Overvoltage protection: 32Vdc
  - Coverage: IP65

#### SPECIFICATION:

THPS2 is intelligent pressure switch combining pressure measurement, local display and control together. The pressure switch has an easy-to-read OLED display, quick setup, reaction and good electromagnetic compatibility for pressure control.

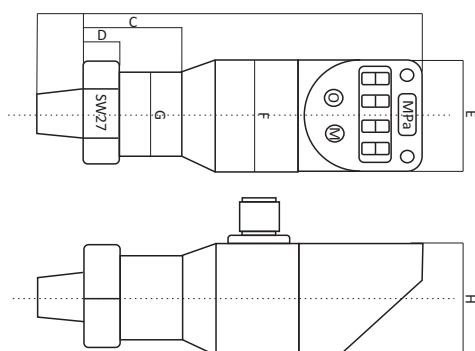
THPS2 allows the visually compile process pressure on display and switch the status of the contacts using the switch output and analog output. Output signals THPS2 are applicable for a wide range of applications. The use of THPS2 is very wide, used for pressure control in hydraulic systems on pumps, hydraulic and pneumatic equipment, power engineering, petrochemical industry, and so on.

TECHNICAL PARAMETERS			
Medium	gas or liquid suitable for direct contact with stainless steel	Service life	>1 million switches
Range	0-0,07bar...0-1000bar	Input	<3W
Output signal	4-20mA, and Relay Output	Loading	1A
Accuracy class	0,5%FS (standard), 0,25FS/year	Connection	G1/4, G1/2, M20x1,5
Display accuracy	0,1%FS		NPT1/4, NPT 1/2
Stability	0,25%	Connect. material	st. steel 17 248 /1.4541/321
Supply voltage	14-30VDC	Electric. connect.	M12
Environ. temp. range	-20+60°C	Random Vibration	10g, 5-2000Hz
Storing temperature	-20+70°C	Protection	IP 65

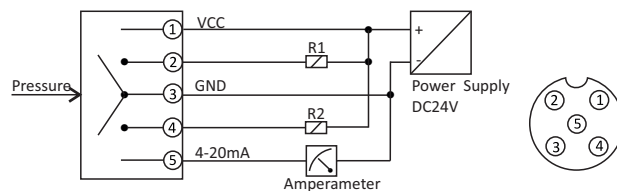
THPS2		Range		Code		Connection	
		0-0,07bar...0-1000bar					
				P1		G1/4	
				P2		G1/2	
				P4		M20x1,5	
				P5		NPT1/4	
				P6		NPT1/2	
				Code		Accuracy class	
				B		±0,1%	
				C		±0,25%	
				D		±0,5%	
				Code		Contacts	
				HH		Max/Max	
				HL		Max/Min	
				LH		Min/Max	
				LL		Min/Min	

THPS2	(0-1)bar	P2	C	LH
	Range	Connection	Accuracy class	Contacts

• THPS2



Wiring diagram



Dimensions in mm									
A	B	C	D	E	F	G	H	SW	
14	107	32	12	35,5	pr.35,2	pr.27	37	27	