

TURCK

Industrial Automation

PRESSURE SENSORS PS300

The rugged, IP69K rated PS300 sensors provide a wide measuring range from -1 to +600 bar and are perfectly suited for hydraulic applications – even in harsh environments.



Measuring signals are directly processed on the PS300's newly developed high-build pressure measuring cell and digitally transferred to the fully encapsulated evaluation unit. This design offers a high level of EMC performance and an excellent switching point accuracy of 0.5 percent of the full scale.

The PS300 sensors are available in G1/4" female thread versions or in male/female 1/4"-NPT or R1/4" versions with digital or analog (voltage or current) outputs for all measuring ranges. Metal-supported sealing rings ensure a reliable process connection. The new pressure sensors support the IO-Link communications standard and the VDMA menu structure is available upon request.

- IP69K
- IO-Link compatible
- -1 ... +600 bar

Sense it! Connect it! Bus it! Solve it!

Pressure sensors PS300

TURCK

Industrial
Automation

- Protection class IP68/IP69K
- High overpressure capability, high system availability
- Stainless steel housing, fully encapsulated, rotatable display
- IO-Link compatible
- Measuring range -1...600 bar rel.
- VDMA menu structure acc. to VDMA norm 24574-1 (optional)



IO-Link

PS010V - 301 - LI2UPN8X - H1141

PS	010V	Pressure sensor	-	3	01	Housing style/ Pressure connection	-
		Measuring range				Pressure connection	
		01VR -1...0 bar g				01 G1/4" female thread	
		001R 0...1 bar g				02 1/4"-18NPT female thread	
		001V -1...1 bar g				03 1/4"-18NPT male thread	
		003V -1...2.5 bar g				04 G1/4" male thread	
		010V -1...10 bar g				10 R1/4" male thread	
		016V -1...16 bar g				11 R1/4" female thread	
		025V -1...25 bar g					
		040V -1...40 bar g					
		100R 1...100 bar g					
		250R 1...250 bar g					
		400R 1...400 bar g					
		600R 1...600 bar g					
		Functional principle pressure sensor				Housing	
						3 adjustable, with display, non-rotatable	

LI2UPN	8	X	Electrical version	-	H1	1	4	1	Electrical connection
			with LED display						Configuration (pos. 5)
			Operating voltage						1 standard configuration
			8 15 (18)...30 VDC						Number of contacts (pos. 4)
			Output						4 4-pole M 12 x 1
			2UPN 2 switching outputs						Connector (pos. 3)
			LUUPN switching- and voltage output						1 straight
			LIUPN switching- and current output						Connector (pos.1 and 2)
									H1 connector M12 x 1

www.turck.com

Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr
Germany
Tel. +49 (0) 208 4952-0
Fax +49 (0) 208 4952-264
E-Mail more@turck.com
Internet www.turck.com

D101776 1109