

Pressure Instrumentation

High Accuracy Programmable Pressure Sensor Part Number Key

PS 010V - 5 03 - LI2UPN 8 X - H1141

<p>Pressure Sensor</p> <hr/> <p>Nominal Pressure Range</p> <p>01VR = -1 to 0 bar gauge (-14.5 to 0 psi) 001R = 0 to 1 bar gauge (0 to 14.5 psi) 001V = -1 to 1 bar gauge (-14.5 to 14.5 psi) 003V = -1 to 2.5 bar gauge (-14.5 to 36 psi) 010V = -1 to 10 bar gauge (-14.5 to 145 psi) 016V = -1 to 16 bar gauge (-14.5 to 232 psi) 025V = -1 to 25 bar gauge (-14.5 to 362 psi) 040V = -1 to 40 bar gauge (-14.5 to 580 psi) 100R = 0 to 100 bar gauge (0 to 1450 psi) 250R = 0 to 250 bar gauge (0 to 3625 psi) 400R = 0 to 400 bar gauge (0 to 5800 psi) 600R = 0 to 600 bar gauge (0 to 8700 psi) 001A = 0 to 1 bar absolute (0 to 14.5 psi) 003A = 0 to 2.5 bar absolute (0 to 36 psi) 010A = 0 to 10 bar absolute (0 to 145 psi) 016A = 0 to 16 bar absolute (0 to 232 psi) 025A = 0 to 25 bar absolute (0 to 362 psi)</p>	-	5	03	-	LI2UPN	8	X	-	H1141																
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<p>Pressure Connection</p> <p>01 = G1/4" female thread 03 = 1/4"-18 NPT male thread 04 = G1/4" male thread 05 = 7/16"-20 UNF male thread</p>																									
<p>Housing</p> <p>5 = Rotatable 3 = IP69k</p>																									

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PS500 Programmable Pressure Sensor Specifications

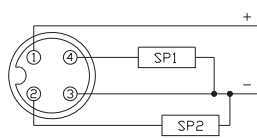
Electrical	
Operating Voltage	15-30 VDC
Current Consumption	≤50 mA
Power-On Effect	Per IEC 947-5-2
Reverse Polarity Protection	Yes
Transient Protection	EN 60947-5-2
Short-Circuit Protection	Yes
EMC Information	
EN 61000-4-2	ESD: 4 KD CK/ 8 KV AD
EN 61000-4-3	HF irradiated: 15 V/m
EN 61000-4-4	Burst: 2 KV
EN 61000-4-5	Surge: 500 V, 12 Ω
EN 61000-4-6	HF conducted: 10 V
Environmental	
Ambient Temperature	-40°to +80°C (-40°to +176°F)
Medium Temperature	-25°to +85°C (-40°to +185°F)
Enclosure Rating	Meets NEMA 4, 6, 12, 13 and IP67
Shock	50 g per IEC 68-2-27
Vibration	20 g (10-200 Hz) per IEC 68-2-6
Burst Protection	patented media stop
Materials	
Housing	Stainless Steel 303
Wetted Parts	Stainless Steel 303, Viton Al ₂ O ₃ Ceramic
Operational	
Output	Programmable Current: . 0-20 mA, 4-20 mA, . 20-0 mA, 20-4 mA and . 1 PNP/NPN N.O./N.C. Or . 2 PNP/NPN N.O./N.C.
Switching Frequency	≤180 Hz
Switching Current	≤200 mA

Operational continued	
Accuracy	
Set Point Accuracy	±0.5% Of Full Scale
Repeatability	≤0.5% of measuring range
Zero Shift/Span Shift	≤0.15% of measuring range/°C
Set Points	
Set Point Range	1% - 100% Range
Reset Point Range	.5% - 99.5% Range
Minimum Hysteresis	±0.5% Of Full Scale
Switching Delay	Switch-on and switch-off delay adjustable from 0 to 50 seconds in steps of 0.1 second
LED Function/Display	
Measuring Value	4-digit 7-segment display Programming
Programming Status Display	LEDs indicate output status and selected measuring units
Display Reaction Time	Slow 600 ms update Normal 200 ms update Fast 50 ms update

PRESSURE

Wiring Diagram

Wiring Diagram



Mating Cordset:
RK 4.4T-*

Drawings

