



LPT7000 Series Liquid Pressure Transducer



LPT7000 series liquid pressure transducer is designed for use in commercial HVAC applications. These transducers provide analog signal which allows DDC or PLC controllers manage the system pressure stabilization. This product series is featured with high accuracy and performance through its precision design, integrated electrical structure and full digital temperature compensation and calibration, and its 316L stainless steel liquid connection is a guarantee meeting a wide range of application requirements.

Key Features

- Fully welded structure
- Multi measurement range option
- Long-term stability
- Long life span
- Compact design, easy installation



Naming Rule

Series	Output	Accuracy	Electrical	Pressure Port	Measurement Range
LPT7000	V: 0-10V	1: $\pm 0.25\%FS$ @ 25°C	S: 2m Cable	A: G1/4A	10: 0-10Bar
	C: 4-20mA	2: $\pm 0.5\%FS$ @ 25°C	H: Hirschmann PG9		16: 0-16Bar
					25: 0-25Bar

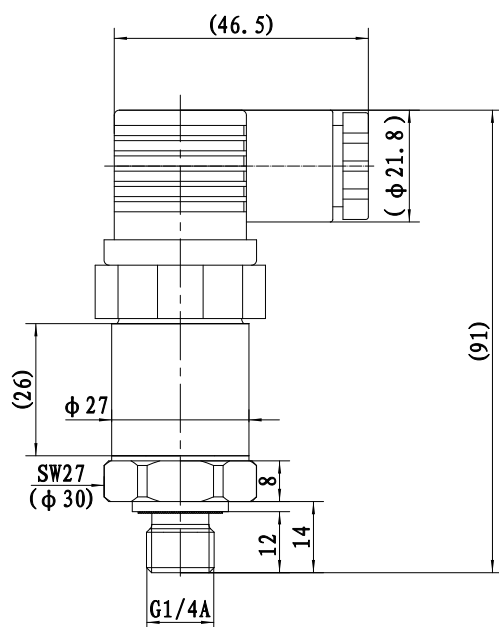
Selection Table

Product Number	Output	Accuracy	Electrical	Pressure Port	Measurement Range
LPT7000V1SA10	0-10V	$\pm 0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-10bar
LPT7000V1SA16	0-10V	$\pm 0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-16bar
LPT7000V1SA25	0-10V	$\pm 0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-25bar
LPT7000C1SA10	4-20mA	$\pm 0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-10bar
LPT7000C1SA16	4-20mA	$\pm 0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-16bar
LPT7000C1SA25	4-20mA	$0.25\%FS$ @ 25° C	2m Cable	G1/4A	0-25bar
LPT7000V2SA10	0-10V	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-10bar
LPT7000V2SA16	0-10V	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-16bar
LPT7000V2SA25	0-10V	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-25bar
LPT7000C2SA10	4-20mA	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-10bar
LPT7000C2SA16	4-20mA	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-16bar
LPT7000C2SA25	4-20mA	$\pm 0.5\%FS$ @ 25° C	2m Cable	G1/4A	0-25bar
LPT7000V1HA10	0-10V	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-10bar
LPT7000V1HA16	0-10V	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-16bar
LPT7000V1HA25	0-10V	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-25bar
LPT7000C1HA10	4-20mA	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-10bar
LPT7000C1HA16	4-20mA	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-16bar
LPT7000C1HA25	4-20mA	$\pm 0.25\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-25bar
LPT7000V2HA10	0-10V	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-10bar
LPT7000V2HA16	0-10V	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-16bar
LPT7000V2HA25	0-10V	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-25bar
LPT7000C2HA10	4-20mA	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-10bar
LPT7000C2HA16	4-20mA	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-16bar
LPT7000C2HA25	4-20mA	$\pm 0.5\%FS$ @ 25° C	Hirschmann PG9	G1/4A	0-25bar

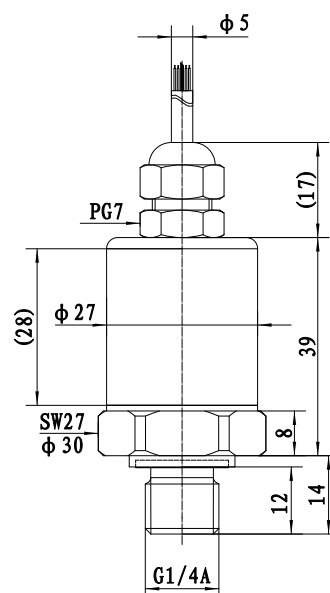
Technical Specification

Pressure Sensing Element	Silicon Oil-filled Core
Measurement Range	0-10bar, 0-16bar, 0-25bar
Accuracy	$\pm 0.25\%FS @ 25^{\circ}C$ $\pm 0.5\%FS @ 25^{\circ}C$
Output	4-20mA, 0-10V
Power Supply	8-30VDC(4-20mA output); 14-30VDC(0-10V output)
Medium Temperature	-40~125°C
Electrical	Hirschmann PG9, 2M cable
Pressure Port	G1/4A
IP Standard	IP65 (Hirschmann PG9) , IP67 (2M cable)
Housing Material	316L Stainless Steel
O-Ring	EPDM
Medium	Water or Cooling water
Environment Temperature	-30°C ~85°C
Storage Temperature	-40°C ~100°C

Dimension (mm)



LPT7000xxHAxx



LPT7000xxSAxx

Johnson Controls LPT7000 series liquid pressure transducer can be used to measure the pressure value of different medium in the pipeline, and transmit the value to DDC or PLC system, common used in HVAC system and equipment monitoring.



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