

## 3051 Pressure Transmitter

Model: PT-LD3051

### Introduction

PT-LD3051 pressure transmitter applied to liquid and gas pressure, level or density measurement and transform measured pressure into 4-20mA signal output. PT-LD3051 can directly communicate with computer to achieve electrical configure and monitor.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

### Features

- Adjustable Zero / Span  
(by button or HART remote adjustment)
- Gauge / Absolute pressure type available
- Output signal 4-20mA
- LCD meter is available for field reading display
- User friendly operation, achieving easy setting
- Various materials available upon request
- Intelligent HART protocol can communicate with computer to achieve remote setting and monitor

#### Main specifications

▼ **Process connection**  
Material: SS316  
1/2" NPT female thread  
G1/2" male thread

▼ **Pressure range**  
0.2kPa to 100MPa

▼ **Pressure type**  
Gauge pressure /  
Absolute pressure

▼ **Output signal**  
4~20mA (analog) /  
4-20mA+HART

▼ **Applicable fluid**  
Gas and liquid that compatible  
with connection material

▼ **Ambient temperature**  
With LCD Display:  
-30 to 60°C  
Without LCD Display:  
-40 to 85°C

▼ **Storage temperature**  
With LCD Display:  
-40 to 70°C  
Without LCD Display:  
-46 to 110°C

▼ **Media temperature**  
Silicone oil filled:  
-40 to 104°C  
Inert liquid filled  
-18 to 85°C

▼ **Ambient humidity**  
0~100%R.H.

▼ **Liquid-filling**  
Silicone oil (standard) /  
Inert liquid (option)

▼ **Protection level**  
IP65

▼ **Explosion-proof class (option)**  
Exd II BT5 / Exia II CT4

#### Other Specifications

▼ **Screen display**  
3.5-digit LCD

▼ **Support rack for installation**  
Pipe mount bent rack  
Plate mount bent rack  
Pipe mount straight rack

▼ **Housing material**  
NEMA 4X aluminum alloy

▼ **Vent valve material**  
SS316

▼ **Bolt material**  
SS316

▼ **Sealing**  
Diaphragm and pressure  
connection sealing: FKM O-ring  
Case cover sealing: NBR

▼ **Power supply**  
12~36VDC

▼ **Resistive load**  
43.5\*(power supply -12)

▼ **HART communication**  
Communication requirement:  
250Ω  
Max communicate distance:  
1.5km

▼ **Measuring elements**  
Wetted parts: diaphragm  
Material: SS316L / Hastelloy

▼ **Zero & span temp. drift**  
±0.2% (@56°C)

▼ **Accuracy**  
±0.1% F.S.

▼ **Stability**  
±0.1% / 6 months

▼ **Vibration test**  
In 200Hz, max error - 0.05%  
URL/g

▼ **Overpressure protection**  
Max. 13.79MPa

## How to order

PT-LD3051		3051 Pressure Transmitter				
Code	Pressure type					
GP	Gauge pressure					
AP	Absolute pressure					
Code	Pressure range					
P1	2kPa to 10kPa					
P2	8 to 100kPa					
P3	80 to 1800kPa					
P4	1.6 to 8.6MPa					
P5	8.2 to 100MPa					
Code	Output signal					
420	4-20mA					
420H	4-20mA+HART					
Code	Process connection					
4N(F)	1/2" NPT female thread					
4G(M)	G1/2" male thread					
O	Others (please specify)					
Code	Support rack for installation					
B1	Pipe mount bent rack					
B2	Plate mount bent rack					
B3	Pipe mount straight rack					
Code	Other requests					
/A	Third party notarized document					
/B	Inspection report					
/C	Tag					
/D	Diaphragm material: Hastelloy C276					
/E	Liquid filling: inert liquid					
/F	Flameproof Exd II BT5					
/G	Explosion-proof Exia II CT4					
PT-LD3051	GP	P3	420	4N(F)	B1	Order example: PT-LD3051-GP-P3-420-4N(F)-B1