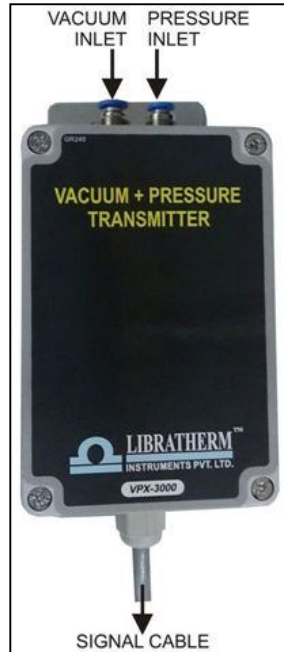


Vacuum & Pressure Sensor / Transmitter



Model Wise Description:

Model	Product Description
VPX-3000	Two channel Vacuum + Pressure absolute / differential sensor with transmitter.
DPX-3000	Single channel Vacuum or Pressure absolute /differential sensor with transmitter.

Features:

- Built-in Vacuum and Pressure absolute / differential sensor.
- 4-20mA proportional output for each sensor
- IP 65 ABS plastic enclosure.
- Lockable fixture for standard 4 mm PVC pipes.
- Operates on 18 to 36VDC.
- Measurement range of 0 to 300 PSI (differential or absolute)

Partners In Measurement And Control (05022016)

401-403, Diamond Industrial Estate, Ketki Pada Road, Dahisar east, Mumbai 400068, Maharashtra, India.
Tel/Fax: 91-22-42555353,42555349. Email: libratherm@libratherm.com sales@libratherm.com

Applications:

- Medical and Pharmaceutical test equipment
- Altitude and Air speed measurement
- Process control and Factory Automation
- Leak Detection etc...

Product Description:

Vacuum / Pressure Transmitter model VPX-3000 and DPX-3000 are designed using the temperature compensated, piezo -resistive silicon pressure sensor packaged in a dual-inline configuration and intended for cost sensitive applications where excellent performance and long-term stability are required. Integral temperature compensation is provided over a range of 0-50°C using laser-trimmed resistors. The differential signal generated by the pressure sensor is converted to equivalent 4-20mA retransmission signal in the desired calibration range, for long distance transmission. The 4-20mA signal is isolated from the DC power supply. The pressure transmitters VPX-3000 and DPX-3000 are available in absolute or differential pressure ranges from 0-1 to 0-300 psi.

Technical Specification (VPX-3000 / DPX-3000):

Model	VPX-3000 and DPX-3000
Sensor Make	Model 4425 from Measurement Specialties - France
Standard signal Cable	1 meter long
Pressure Linearity	+/-0.25%
Process Input	Self lockable nozzle for Industrial standard 4 mm pvc tube.
Input 1: Vacuum Range	Desired range can be specified by the user – as per table given below
Vacuum Output1	4 – 20 mA or 0-10V proportional to the specified range
Input 2: Pressure Range	Desired range can be specified by the user – as per table given below
Pressure Output2	4 – 20 mA or 0 -10V proportional to the specified range
Isolation	4-20mA / 0-10V signal is galvanically isolated from the supply.
Load Resistance	RLmax = 400 Ohms @ 24VDC
Supply Voltage	18 - 36VDC @ 100mA max
Enclosure	ABS plastic IP-65 with suitable wall mounting clamps.
Enclosure Size	120 h x 80 w x 55 d mm.

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Standard Calibration Ranges:

Sr. No.	DIFFERENTIAL (PSID)	ABSOLUTE (PSIA)	KILO-PASCAL	mmWC	mmHg
1	0 to 0.1	NA	0 to 0.68	0 to 70	0 to 5.17
2	0 to 1	NA	0 to 6.89	0 to 703	0 to 51.7
3	0 to 5	NA	0 to 34.47	0 to 3515	0 to 258.6
4	0 to 15	0 to 15	0 to 103.4	--	0 to 775
5	0 to 30	0 to 30	0 to 206.8	--	0 to 1551
6	0 to 50	0 to 50	0 to 344.7	--	0 to 2585
7	0 to 150	0 to 150	0 to 1034	--	--
9	0 to 300	0 to 300	0 to 2068	--	--

Ordering Information:

User should specify the model no. of transmitter (VPX-300 or DPX-300) and the desired measurement range from the above table.

For any further information, please feel free to contact us.