ASP2002D Pressure Sensor
ASP2003D Absolute Pressure Sensor

Introduction

- Excellent EMC performance
- Comply with RoHs and CE standards
- Ingress Protection: IP65/IP67



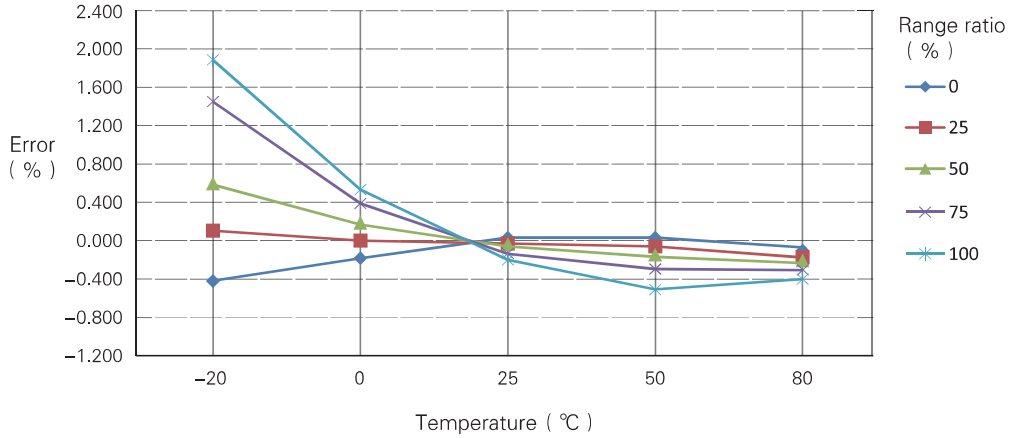
Application

- Engineering machine
- Machine tool
- Air compressor
- Hydraulic system
- Fermentation process measurement

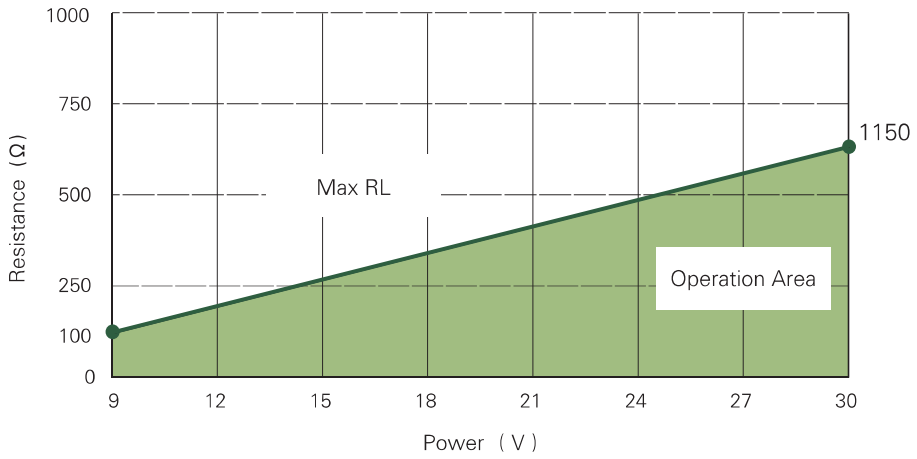
Technical Parameter

Specifications	Technical Data
Input data	
Measuring ranges	0 ~ 100kPa···70MPa
Overload pressures	150%F.S
Burst pressures	300%F.S
Operating voltage	4~20mA / 0~5V / 0.5~4.5V / 1~5V (9~30VDC) 0 ~ 10V (12~30VDC)
Output data	
Output signal	2–wire: 4 ~ 20mA 3–wire: 0.5 ~ 4.5V / 1 ~ 5V / 0 ~ 5V / 0 ~ 10V
Accuracy	0.5 %
Response time	≤10ms
Long–term drift	≤ ± 0.1 % F.S typ. / year
Environmental condition	
Operating temperature range	–20 ~ +80℃
Storage temperature range	–30 ~ +85℃
EMC performance	EN 61000 – 6 – 2 / 3 / 4 / 6
Vibration	10g, 20Hz~2kHz (IEC 60068–2–6)
Shock	50g, 11ms (IEC 60068–2–27)
Free fall	1m (IEC 60068–2–32)
Insulation resistance	>100 MΩ (100 VDC)
Dielectric strength	AC1000V / 2mA (1min)

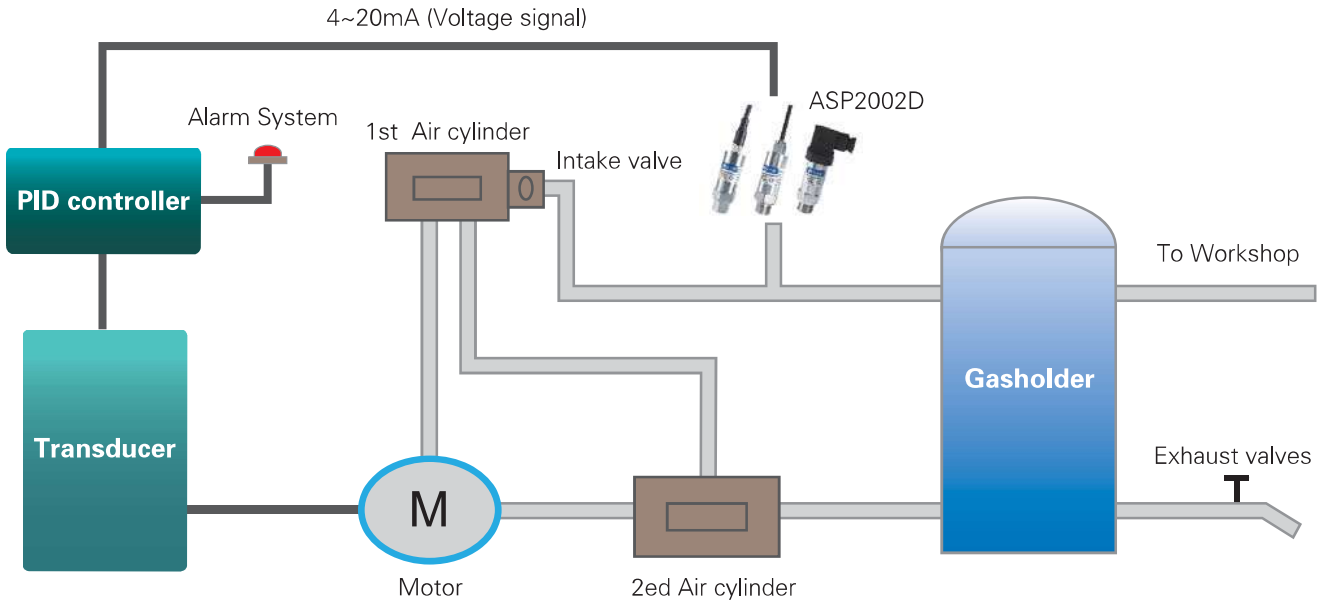
Temperature Performance



4~20mA Load Characteristic



The application of air compressor systems



Appendix table A for Dimension

Appendix table B for Electrical port

Type Code

ASP200 □ D □ – S □ □ □ □

Code1	Reference
2	Pressure
3	Absolute Pressure

Code2	Output
I	4~20mA
V0	0~10V
V1	0~5V
V2	1~5V
V3	0.5~4.5V
C	Customize

Code3	Measuring ranges
05	0~100KPa
06	0~200KPa
07	0~350KPa
08	0~700KPa
09	0~1MPa
0A	0~1.6MPa
0B	0~2MPa
0C	0~3.5MPa
0D	0~7MPa
0E	0~10MPa
0F	0~16MPa
0G	0~20MPa
0H	0~35MPa
0I	0~70MPa
X	Customize

Code4	Electrical connection
2	M12*1
3	Cable
5	Hirschmann
X	Customize

Code5	Process connection
M	M20*1.5 Male
G	G1/2 Male
H	G3/8 Male
F	G1/4 Male
D	7/16–20UNF Male
I	7/16–20UNF Female
N	1/2 NPT Male
P	1/4 NPT Male
X	Customize

Code6	Nameplate
C	Chinese
E	English

* Note: Order example: Pressure Sensor ASP2002DI–S052MC