

Pressure Transmitter

Type BKS-YL80510MA1

Brief description

This pressure transmitter can be used for measuring the gauge and absolute pressure in liquids and gases.

The pressure transmitter operates on the import

ceramics

measuring principle.the pressure is converted into an electrical signal。 the sensors have characteristics of high reliability and stability。



Features

- Measuring ranges from 0.1 to 40 MPa
- High precision pressure transmitter
- Advanced ceramics measuring technology
- Excellent accuracy and long term stability

Applications

- Automotive industry
- Air- compressor
- Freon and ammonia refrigeration
- Machine tools and automatic machinery
- Standard hydraulic and pneumatic equipments
- Engine controls
- High side and low side air conditioning
- Vehicle stability control

Technical data

Input

Measuring ranges	0 ~ 0.1 to 40 MPa
Pressure reference	gauge, absolute
Overload	1.5 X Rated range

Electrical specifications

Power supply	5V DC	10-30V DC
Output signal	0.5-4.5V	4-20mA
Electric connection	3-wire	2-wire
Burden	$\geq 20 \text{ K } \Omega$	$\leq (U_b - 10V) / 0.02A$

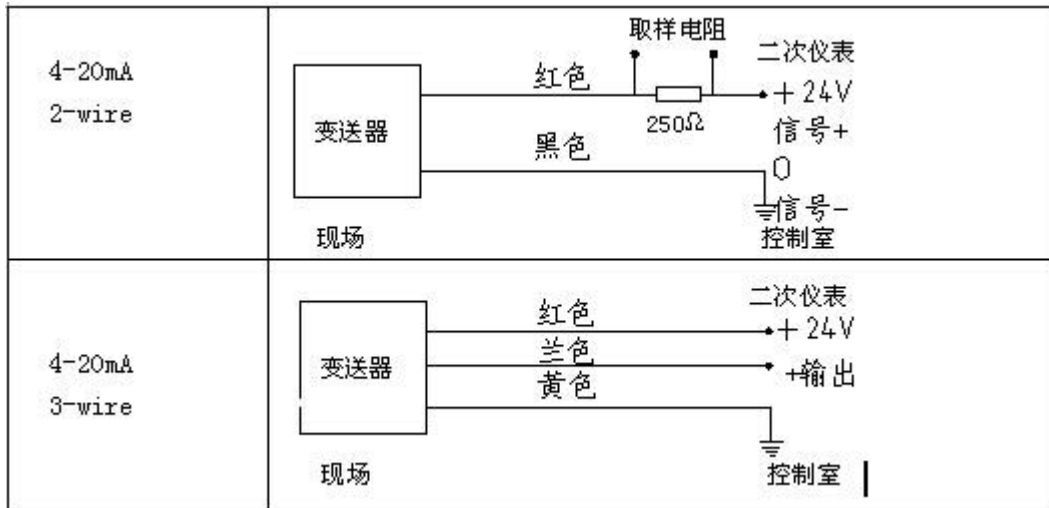
Performance specifications

Accuracy	$\leq \pm 0.5 \% \text{ FSO}$
Non - linearity	$\leq \pm 0.25 \% \text{ FSO}$
Repeatability	$\leq \pm 0.05 \% \text{ FSO}$
Pressure hysteresis	$\leq \pm 0.1 \% \text{ FSO}$
Long term stability	$\leq \pm 1 \% \text{ FSO} / \text{年}$
Reference temperature	25 °C
Operating temperature ranges	-40 ~ + 85 °C
Compensated temperature range	0 ~ + 70 °C
Thermal shift	$\leq \pm 0.025 \% \text{ FSO} / \text{ }^\circ\text{C}$
Response time	$\leq 10\text{ms}$
Electromagnetic compatibility(EMC)	to EN 61 326

Physical specifications

Process connection	G1/4, 1/4-18NPT, M20X1.5, M12*1.25 other connections available on request
Process media	stainless steel 304
Mechanical vibration	max. at 20g, 15-2000Hz (to IEC 68-2-6)
Mechanical shock	100g/1mesc to IEC 68-2-27
Enclosure rating	IP65
Electrical connection	DIN43650
Nominal position	unrestricted

Dimension (mm)



Order details

