



KYB2003P Pressure Transmitter

Description

KYB2003P pressure transmitter can real-time monitoring and feedback the output pressure of the hydraulic system for injection molding machine. It is characterized by high accuracy and rapid time response, and it provide the accurate and reliable data for the control system to realize the conversion operation of injection molding machine, to achieve effective energy-saving, intelligent control and other functions. Compared with the traditional scheme of pressure switch, the power saving rate reach 25% ~ 70%.

Application

Injection molding machine
Rubber Machine
Pressure die-casting machine
Brick machine
Extruding machine



Features

- ◆High Reliability、 good long term stability、 good consistency
- ◆Anti-interference、 vibration resistance
- ◆Excellent instantaneous overload resistance
- ◆Rugged、 easy to install
- ◆Can be customized according to the users requirements

Specifications

| | |
|-----------------------------|---|
| Product Type | Diffused silicon pressure transmitter |
| Media | Hydraulic oil、 Gas、 Various liquids compatible with 304 Stainless steel |
| Range | Any range within 70m |
| Supply Voltage | 10~30V |
| Output | 0~10VDC or customized |
| Error in normal temperature | ±0.5%FS |
| Overload pressure | 3 X |
| Burst Pressure | 5 X |
| Ingress protection | IP65/IP67 (Waterproof plug) |
| Electrical connection | Aviation connector, Hirschmann connector, or customized |

Application Description

This pressure transmitter is installed in the oil system of injection molding machine, measuring the pressure of the hydraulic oil, input the signal to the closed loop control system, and send the results to the VVVF (variable Voltage and variable frequency) after calculation, as the basis of frequency



converter to change the output power.

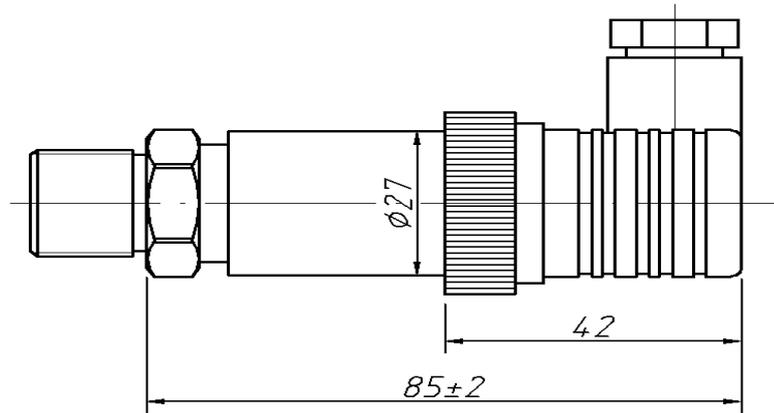
Ordering Information

| | | | | | | | |
|---------|-----------------------|-------------------------------------|--|----------------------------|-----------------------------|--|--|
| KYB2003 | Pressure Transmitters | | | | | | |
| | P | Injection molding machine dedicated | | | | | |
| | | Code | Range | | Error in normal temperature | | |
| | | | Minimum measuring range | Maximum measuring range | | | |
| | | 01 | 0~2MPa | 0~4MPa | ±0.5% | | |
| | | 02 | 0~5MPa | 0~7MPa | ±0.5% | | |
| | | 03 | 0~7MPa | 0~10MPa | ±0.5% | | |
| | | 04 | 0~10MPa | 0~20MPa | ±0.5% | | |
| | | 05 | 0~20MPa | 0~35MPa | ±0.5% | | |
| | | 06 | 0~35MPa | 0~60MPa | ±0.5% | | |
| | | 07 | 0~60MPa | 0~100MPa | ±0.5% | | |
| | | M1 | 4~20mA | | | | |
| | | V | 0~5V | | | | |
| | | V1 | 0.5~4.5V | | | | |
| | | V2 | 0~10V | | | | |
| | | VX | User defined | | | | |
| | | P2 | M20×1.5 external thread | | | | |
| | | P3 | NPT1/4 external thread | | | | |
| | | P4 | G1/4 external thread (Dedicated to more than 20 Mpa range) | | | | |
| | | Px | User defined (subject to conversion connector) | | | | |
| | | | C1 | Aviation connector | | | |
| | | | C2 | Cable (Standard length 1M) | | | |
| | | | C3 | Hirschmann connector | | | |
| | | | CX | User defined | | | |
| | | | | -I | New type (must chosen) | | |
| | | | | | Calibration range by user | | |

| | | | | | | | |
|---------|---|----|----|----|----|----|----------|
| KYB2003 | P | 01 | V2 | P2 | C2 | -I | (0~1MPa) |
|---------|---|----|----|----|----|----|----------|



Dimension



Application Picture



Gross weight: 293g

Net weight: 243g

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