


YLZ-S High Accuracy Pressure Transmitter

Specifications

| | | | | |
|------------------------|--|---|----------------|---|
| Medium | Gas, liquid, steam | | |  |
| Range | Min range (kPa) | Range and sensor limits | | |
| | | Max range(URL) | Min range(LRL) | |
| | 1.0 | 6.0 | -6.0 | |
| | 4.0 | 40 | -40 | |
| | 10.0 | 100 | -100 | |
| | 12.5 | 250 | -100 | |
| | 25.0 | 500 | -100 | |
| | 25.0 | 1000 | -100 | |
| 87.5 | 3500 | -100 | | |
| Range ratio | 40:1 | | | |
| Accuracy | Class 0.075, Class 0.1 (including linearity, return difference and repeatability) | | | |
| Range ratio effect | Class 0.075 | When the range ratio is 1:1~10:1, it is $\pm 0.05\%$ of the range When range ratio >10:1, it is $\pm [0.0075 \times \text{range ratio}] \%$; | | |
| | Class 0.1, Class 0.2 | The range ratio is 1:1~10:1, which is $\pm 0.1\%$ of the calibration range When range ratio >10:1, it is $\pm [0.05 + 0.005 \times \text{range ratio}] \%$; | | |
| Stability | Class 0.075 | The 36-month error is $\pm 0.15\%$ of the maximum range | | |
| | Class 0.1 | The 36-month error is $\pm 0.2\%$ of the maximum range | | |
| | Class 0.2 | The 36-month error is $\pm 0.15\%$ of the maximum range | | |
| Temp. effect | Class 0.075 | The zero or range error is $\pm 0.15\%$ of the maximum range /28°C | | |
| | Class 0.1 | The zero or range error is $\pm 0.2\%$ of the maximum range /28°C | | |
| | Class 0.2 | The zero or range error is $\pm 0.25\%$ of the maximum range /28°C | | |
| Power effect | Less than $\pm 0.005\%/V$ of the calibration range | | | |
| Vibration effect | Less than $\pm 0.05\%/g$ of the max range | | | |
| Installation effect | Zero drift is not more than 0.25kPa, this error can be eliminated by zero adjustment, has no effect on the range | | | |
| Static pressure effect | $\pm 0.05\% \text{URL} / 10 \text{MPa}$ | | | |
| Output | 4~20mA+HART (Can have RS485 at the same time) | | | |
| Power supply | 15~6VDC | | | |
| Ambient temp. | -40°C~85°C | | | |
| Medium temp. | -40°C~120°C | | | |
| Storage temp. | -40°C~85°C | | | |
| Display | 7 bit LCD | | | |
| IP rating | IP65 | | | |
| Ex rating | Exd IIC T6Gb | | | |