

# YLZ-C

## High Accuracy Differential 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 $\pm 0.075\%$ 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	
Stability	Class 0.075	When range ratio >10:1, it is $\pm [0.05 + 0.005 \times \text{range ratio}] \%$ ;	
	Class 0.1	The 36-month error is $\pm 0.15\%$ of the maximum range	
	Class 0.2	The 36-month error is $\pm 0.2\%$ of the maximum range	
Temp. effect	Class 0.075	The 36-month error is $\pm 0.25\%$ of the maximum range	
	Class 0.1	The zero or range error is $\pm 0.15\%$ of the maximum range /28°C	
	Class 0.2	The zero or range error is $\pm 0.2\%$ 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	$\pm 0.05\%$ URL/10MPa		
Output	4~20mA+HART (Can have RS485 at the same time)		
Power supply	15~36VDC		
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		

