

Model: PT124B-216 (LED display)



Description

Adopting global advanced electron ceramic technology, PT124B-216 (LED display) with low range has the character of overload resistance, high impact resistance, excellent linearity, lasting high stability, wide temperature range, corrosion proof, etc. This series can be applied in Defense industry, scientific research, Space industry, Petroleum, Chemical industry, Electric power, Ocean and other fields.



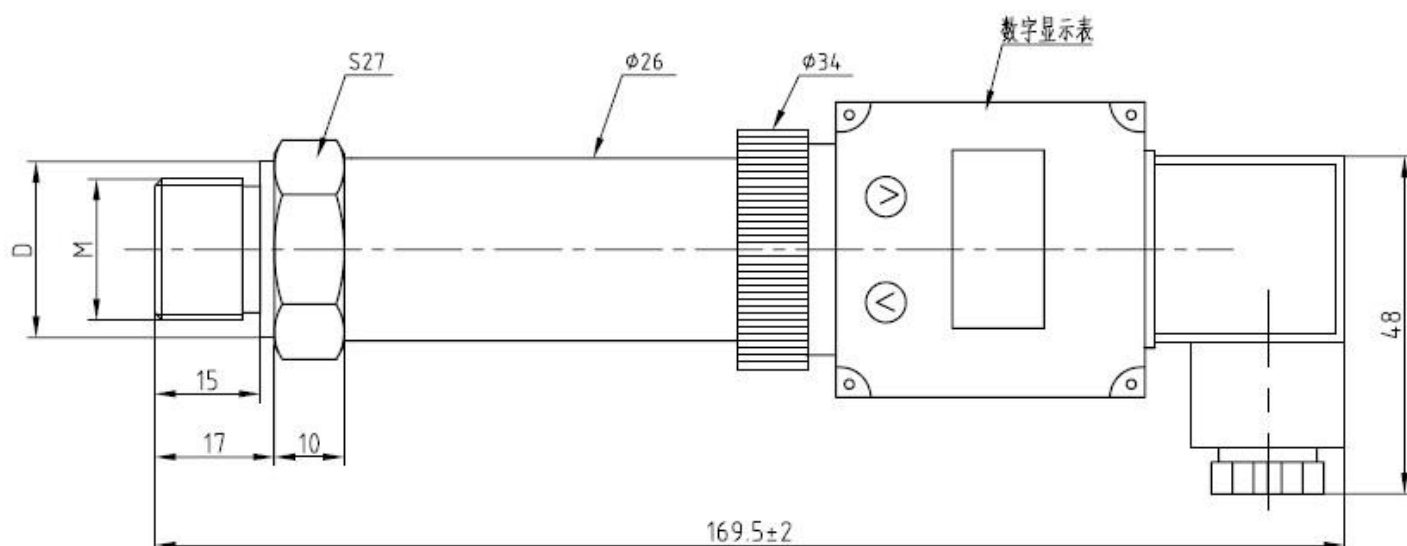
Application

- ◆ Defense industry, Scientific research, Space industry
- ◆ Petroleum, Chemical industry
- ◆ Electric power ,Ocean and other fields

Feature

- ◆ Pressure Range:0....1bar to 0....1000bar
- ◆ Ceramics technology
- ◆ High accuracy, stable capability, little temp-draft
- ◆ overload resistance ,high impact resistance, excellent linearity
- ◆ Lasting high stability
- ◆ Wide temperature range, corrosion proof

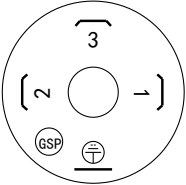
Dimension



Specification

Range:	0....1bar to 0....1000bar
Accuracy:	0.5%FS
Nonlinearity:	0.2%FS
Reliability:	0.05%FS
Output:	4-20mA (2 Wire, alarm optional
Input voltage:	24(12~36)VDC (Amplify signal)
Operate Temperature:	-40~80℃
Compensated temperature:	0~70℃
Overload pressure:	150%FS
Medium material:	stainless steel
Electric connector:	Hirschman (Big DIN)
Process connector:	G1/4, G1/2, 1/2NPT, 1/4NPT, M12*1.5 (Customer design)

Wiring code

Electric connector	2 wire(4-20mA)			3 wire (0-10V, 0-5V, 0.5-4.5V)		
Hirschman 	Pin	Function	Color	Pin	Function	Color
	1	E+/S+	Red	1	E+	Red
	2	E-/S-	Black	2	S+	Blue
	3	---	---	3	E-/S-	Black

Ordering Guide

with * are required, with --- is optional

Model	Range(bar)	Output	Screw Thread	Electric connection	Other requirement
PT124B-216	*	*	*	*	---
Example: PT124B-216-50Bar-4/20mA-G1/2-Hirschmann					

LED INDICATOR INSTRUCTION



Please note the following words A means $\wedge$, B means $\vee$, A+B means pressure $\wedge$ and $\vee$ at the same time . (make sure the sensor no pressure , the output is 4mA) .

1. When collect the LED on the sensor , it will show **SENS** .
2. Set ZERO . , press A+B , it will enter into ZERO set process and show **SEt2** , then still press A+B . it will show the sensor output **0400** (if the sensor output is 4.03mA , it will show 04.03 , press A to move the cursor , press B to change the value up or down . when it show 0000 , then press A+B to save the zero set , and it show **SEt2** .
3. Set Span (example , if the sensor is 0-10BAR , the span will be 10.0) , press A , it will enter into SPAN set , and show **SEt5** , Still press A+B , it will show **2000** (the is the sensor output 20mA , if the sensor output 19.80 , it will show 19.80mA ,) . press A to move the cursor , press B to change the value up or down . when it show 10.00 , then press A+B to save the span set , and it show **SEt5** .
4. Dot set . press A will enter into dot set , and show **dot** , then press A+B , it will show **-.-.-** , now press A to move the DOT left , press B to move DOT right . then press A +B will save the DOT set .
5. Damping time set. Press A will enter into damping time set. and show **dAP** , set step same as 2 , and the damping time from 0-20s , the value show be 0.5 times (that means 0.5 , 1.0 ; 1.5 ; 2.0 ...) , the press A+B to save the set .
6. If LED with alarm.
7. Alarm set. Still press A will enter into the alarm and will show the menu **HILO** , press A+B , it will show **OFF** , that means the alarm value is not valid . press A or B can be



8. Switch as , that means the alarm value is valid. The LED ex-factory setting is .
9. The first alarm value set, press A , it will enter into the first alarm value setting , it will show , set step same as 2 , the alarm value will be how much percentage of Span . (Like 80% full span or others as you want .)
10. the second alarm value set , press A , it will enter into the second alarm value setting , it will show ,others same as 7 , then press A+B to save the set .
11. The first alarm value direction set . it will enter into the first alarm value setting menu , and show , press A+B , it will show , that means the value from lower to higher alarm , press A or B it will be auto switch , and show , that means the value from higher to lower alarm . the press A+B to save setting
12. The second alarm value direction set. it will enter into the first alarm value setting menu , and show , press A+B , it will show , that means the value from lower to higher alarm , press A or B it will be auto switch , and show , that means the value from higher to lower alarm . the press A+B to save setting (same as 9)
13. alarm time extension setting , continue to press A , it will enter m time extension setting process , and show , the alarm time 0-30s , same as 5 . Then press A+B to save setting. Still press A , all the process setting finished .
14. This indicator just can accept 4-20mA input. Make sure not collect wrong the wire diagram. Otherwise no display.

Shanghai Zhaohui Pressure Apparatus Co., Ltd

5-6F No.8 Building No.115 ,Lane 1276 Nanle Road
 Songjiang District Shanghai 201600 China
 Tel:+86-21-51691919 67755189 Fax:+86-21-67755185
 E-mail: info@zhyqsensor.com
 www.zhyqsensor.com

