

# Industrial Pressure Transmitter

Model: PT124B-218 (With cooling element)



## Description

PT124B-218 series of pressure transmitters with has been carefully designed to cover the majority of industrial applications with instruments readily available from stock. For application with higher temperature requirements an integrated cooling element enables medium temperature up to 150°C. Compact design and robust construction make these instruments suitable for all application in machine construction, process control, laboratory or quality and materials testing equipment.

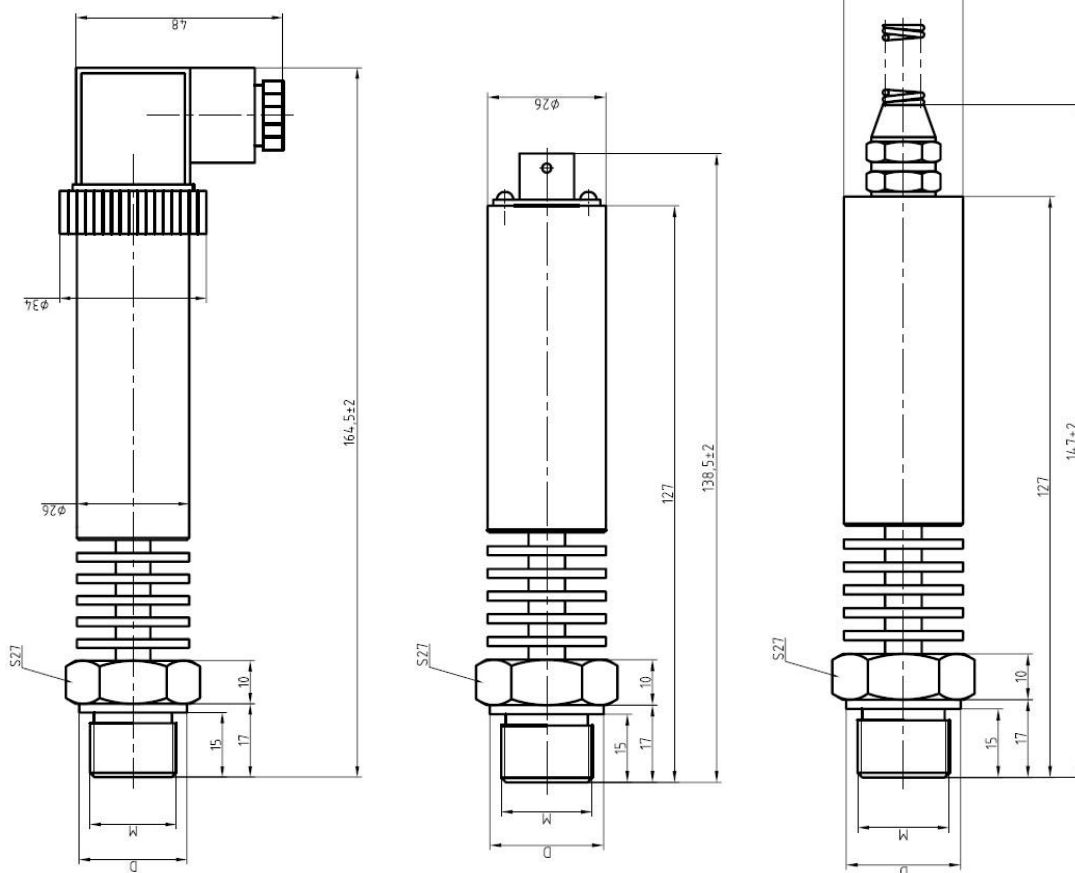
## Application

- ◆ Mechanical Engineering Industry
- ◆ Hydraulic and level measurement
- ◆ Gas tank pressure monitoring
- ◆ Industrial test and control
- ◆ General industrial applications

## Feature

- ◆ Various industrial standard signal output
- ◆ Various electrical connector available
- ◆ Certain stock for shortening delivery time
- ◆ High accuracy, free of calibration
- ◆ compact dimension design

## Dimension

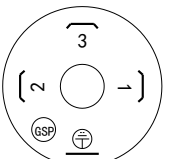
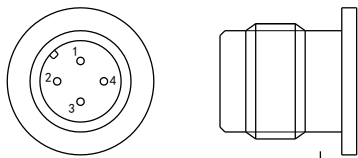
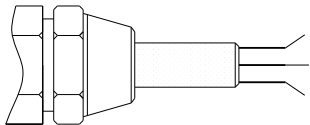


Remarks: Above dimensions only for you reference and we can tailor the appearance follow the customer's requirement.

**Specification**

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Range:                   | -1~ 0~1000bar                                                             |
| Accuracy:                | 0.5%FS                                                                    |
| Nonlinearity:            | 0.2%FS                                                                    |
| Reliability:             | 0.05%FS                                                                   |
| Output:                  | 4-20mA ( 2 Wire ) , 0-5V; 0.5-4.5V (3 wire)                               |
| Input voltage:           | 24(12~36)VDC (Amplify signal)                                             |
| Operating temperature:   | -20~150℃                                                                  |
| Compensated temperature: | 0~70℃                                                                     |
| Overload pressure:       | 150%FS                                                                    |
| Medium material:         | stainless steel or Hardening Aluminum                                     |
| Electric connector:      | Hirschman ( DIN ) ,M12,4pin, Bendix connector, cable, ( Customer design ) |
| Process connector:       | G1/4, G1/2, 1/2NPT, 1/4NPT, M12*1.5 ( Customer design )                   |

**Electric Connection Mode**

| Electric connector                                                                                                  | 2 wire (4-20mA) |          |       | 3 wire (0-10V, 0-5V, 0.5-4.5V) |          |       |
|---------------------------------------------------------------------------------------------------------------------|-----------------|----------|-------|--------------------------------|----------|-------|
| <b>Hirschman</b><br>              | 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 |
| <b>M12 ,4 PIN Connection</b><br> | Pin             | Function | Color | Pin                            | Function | Color |
|                                                                                                                     | 1               | E+       | Brown | 1                              | E+       | Brown |
|                                                                                                                     | 2               | ---      | ---   | 2                              | ---      | ---   |
|                                                                                                                     | 3               | S+       | Blue  | 3                              | S+       | Blue  |
| <b>Cable</b><br>                 | Function        | Color    |       | Function                       | Color    |       |
|                                                                                                                     | E+              | Red      |       | E+                             | Red      |       |
|                                                                                                                     | S+              | Black    |       | S+                             | Blue     |       |
|                                                                                                                     | ---             | ---      |       | E-/S-                          | White    |       |

**Ordering Guide**

| Model                                            | Range(bar) | Output | Screw Thread | Electric connection | Other Requirement |
|--------------------------------------------------|------------|--------|--------------|---------------------|-------------------|
| PT124B-218                                       | ---        | ---    | ---          | ---                 | ---               |
| Example: PT124B-218-50Bar-4/20mA-G1/2-Hirschmann |            |        |              |                     |                   |

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