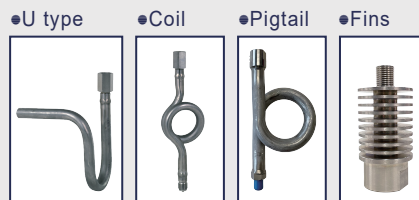


- Accuracy  $\pm 0.5\%$  F.S.
- Field temperature compensation function ( $-25 \sim +85^{\circ}\text{C}$ ).
- Thick film strain gage on ceramic and stainless steel (SUS316).
- Pressure range from  $-1 \sim 250\text{bar}$ .
- Response time  $< 5$  milli seconds.
- Output  $\text{DC}4 \sim 20\text{mA RL}(\text{max.}) < [(V_s - 9V)/0.02A] \Omega$ .
- Protection class NEMA4/ IP68.

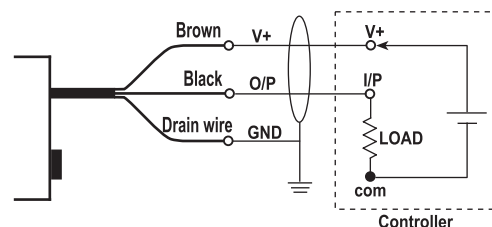


## SPECIFICATION

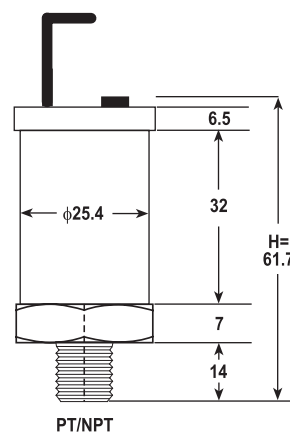
- ◆ Two-wire supply voltage input :  $\text{DC}10$  to  $30\text{V}$
- ◆ Measuring accuracy :  $< \pm 0.5\%$  F.S. ( $25 \pm 10^{\circ}\text{C}$ )
- ◆ Repeatability accuracy :  $< \pm 0.1\%$  F.S.
- ◆ Maximum permissible over pressure : Maximum  $2 \times \text{rated}$  ( $< 160\text{Bar}$ )  
Maximum  $1.5 \times \text{rated}$  ( $> 160\text{Bar}$ )
- ◆ Burst pressure :  $3 \times \text{rated}$  ( $< 100\text{Bar}$ )  
 $2.25 \times \text{rated}$  ( $> 100\text{Bar}$ )
- ◆ Response time :  $< 5\text{ms}$  ( $10 \sim 90\%$ )
- ◆ Output drive capability :  $< [(V_s - 9V)/0.02A] \Omega$
- ◆ Output ripple (p-p) :  $< 0.1\%$  F.S.
- ◆ Zero (offset) range :  $0 \sim \pm 5\%$  F.S.
- ◆ Span (scale) range :  $0 \sim \pm 5\%$  F.S.
- ◆ Diaphragm materials : Ceramic A12O3-96%
- ◆ Pressure port materials : Stainless steel 1.4401 (SUS316)
- ◆ Housing materials : Stainless steel 1.4301 (SUS304)
- ◆ Seale(media wetted)materials : NBR  $< 10\text{ Bar}$   
PVDF  $> 10\text{ Bar}$
- ◆ Thermal span shift :  $\pm 0.04\%$  F.S./ $^{\circ}\text{C}$
- ◆ Thermal zero shift :  $\pm 0.04\%$  F.S./ $^{\circ}\text{C}$
- ◆ Zero point long term stability :  $\pm 0.2\%$  F.S./ year ( $< 160\text{ Bar}$ )  
 $\pm 0.3\%$  F.S./ year ( $> 160\text{ Bar}$ )
- ◆ RFI protection :  $2\text{W}-150\text{MHz}$  at  $2$  meter causes less than  $0.5\%$  change in output
- ◆ Operating temperature range :  $-25$  to  $85^{\circ}\text{C}$
- ◆ Storage & medium temperature range :  $-40$  to  $125^{\circ}\text{C}$

## WIRING CONNECTION

\*3 cond.+shield# 28AWG, PVC( $105^{\circ}\text{C}$ )



## DIMENSION



## ORDER INFORMATION

DC54 - [Code1] - [Code2] - [Code3] - [Code4] - [Code5] - [Code6]

| Code1 | Pressure Range |     | Code2     | Connection | Code3   | Output Signal | Code4  | Wire Length                     | Code5          | Pressure Type | Code6    | Medium |           |
|-------|----------------|-----|-----------|------------|---------|---------------|--------|---------------------------------|----------------|---------------|----------|--------|-----------|
| 001   | 0~1 bar        | 040 | 0~40 bar  | S          | 1/4"PT  | A             | 4~20mA | A                               | 1.8M(Standard) | G             | Gauge    | S      | Normal    |
| 004   | 0~4 bar        | 060 | 0~60 bar  | W          | 1/4"NPT | O             | Option | 03                              | 3M             | A             | Absolute | O      | Corrosive |
| 006   | 0~6 bar        | 100 | 0~100 bar | N          | 1/2"NPT |               |        | 05                              | 5M             |               |          |        |           |
| 010   | 0~10 bar       | 160 | 0~160 bar |            |         |               |        | 10                              | 10M            |               |          |        |           |
| 016   | 0~16 bar       | 250 | 0~250 bar |            |         |               |        | 15                              | 15M            |               |          |        |           |
| 025   | 0~25 bar       | N01 | -1~0 bar  |            |         |               |        | 20                              | 20M            |               |          |        |           |
|       |                | O   | Option    |            |         |               |        | O                               | Option         |               |          |        |           |
|       |                |     |           |            |         |               |        | *3 cond.+shield<br># 28AWG, PVC |                |               |          |        |           |