

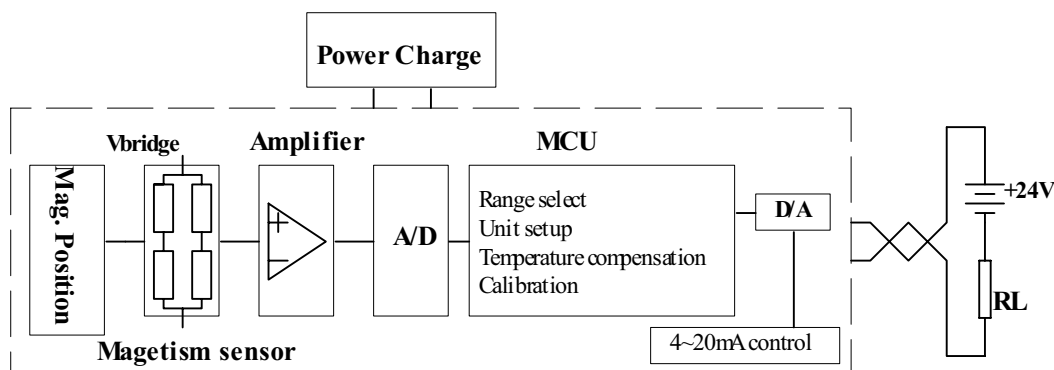
A6 Multi-Range Differential Pressure Transmitter

Features

- Magneto-resistive Effect technology
- Ranges from 0~25Pa at up to 3KPa
- Three selectable ranges for each model
- Insensitive to media, compared to transmitters using a piezoresistive silicon or capacitance sensor
- Excellent stability
- Available with Unidirectional and bidirectional ranges, and air velocity
- Optional LCD display



Principles of Operation



Specifications

Service: Air and non-combustible gases, compatible gases

Accuracy: $\pm 1.0\%$ F.S. (0.1" w.c. & 25Pa: $\pm 2.0\%$)

Range: 0- 25Pa (min.), 0-1.25KPa(max.)

Thermal effects: Zero/span shift 0.05% F.S./ $^{\circ}\text{C}$

Pressure limits: 1psi max. operation; 10psi burst.

Power supply: 10-35 VDC (2-wire); 17-36 VDC or isolated 15-26 VAC (3-wire).

Output signal: 4-20mA (2-wire), 0-5V(3-wire); 0-10V (3-wire)

Response time: 0.5-15s adjustable.

Work temperature: -10 to 50 $^{\circ}\text{C}$.

Loop resistance: Current output: 0-1250 Ω max.; Voltage output: 1000 Ω min. load

Housing material: ABS plastic.

Display (optional): 2-line, 4-digit LCD.

Stability: $\pm 1\%$ F.S./YR.

Accessory: Cable gland for 4-7.5mm diameter cable

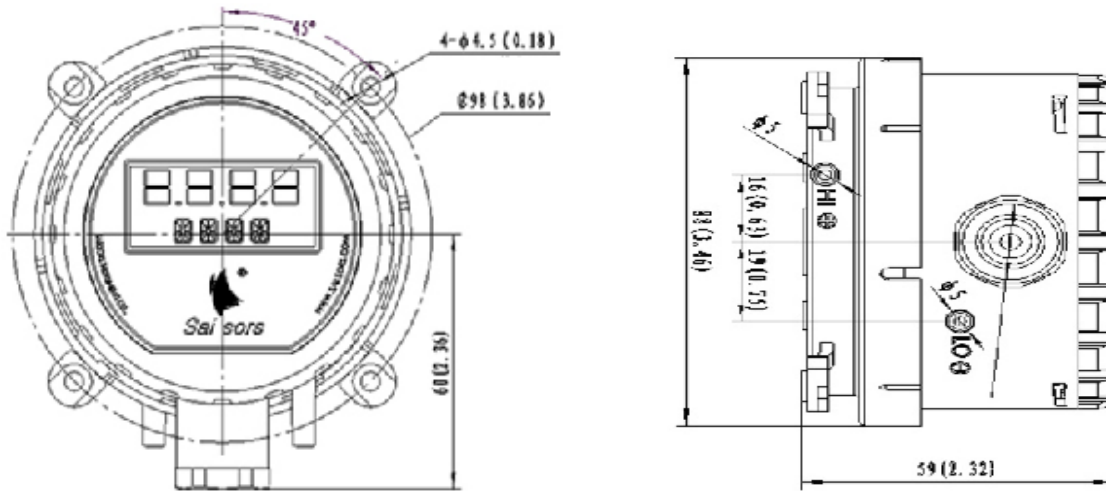
Process connections: 3/16" (5mm) ID tubing; max. OD 9mm.

Enclosure rating: IP65.

Mounting orientation: Vertical.

A6 Multi-Range Differential Pressure Transmitter

Dimensions(mm)



Ordering Information

Model Chart

| | | | | |
|-------------|-----------------------|--|-----------------------------|---------|
| Model No. | | A6 Multi-Range Differential Pressure Transmitter | | |
| Range Type | | | | |
| DP | Unidirectional Ranges | | | |
| 1 | 25, 50, 100Pa | 2 | 250, 500, 1250Pa | |
| 3 | 750Pa, 1500Pa, 2KPa | | | |
| 4 | 1, 2, 3KPa | | | |
| TP | Bidirectional Ranges | | | |
| 1 | ±25, ±50, ±100Pa | | | |
| Output | | | | |
| A1 | 4-20mA(2-wire) | | | |
| V1 | 0-10V(3-wire) | V2 | 0-5V(3-wire) | |
| Accessories | | | | |
| M1 | LCD | S1 | 196mm static pressure probe | |
| A6 | DP1 | A1 | M1 | Example |