TDP-☐☐☐-☐-☐-M

| Code | Measuring range |
|------|-----------------|
| 025 | -25~25 Pa |
| 125 | -125~125 Pa |
| 500 | -500~500 Pa |

| Code | Signal output |
|------|---------------|
| A | DC 4-20mA |
| 2 | DC 0-10V |
| 4 | RS485 (Modbus,RTU) |

| Code | Display |
|------|---------|
| D | Yes |
| X | No |

Differential pressure transmitter is used for acquiring the differential pressure of air in ventilation, air conditioning, and heating plants. The TDP series uses CMOSense technology sensor, which measures the pressure of air and nonaggressive gases with great accuracy and no offset drift. It can measure over- or under-pressure in air ducts in relation to ambient pressure as well as to monitor filters and to control fans and acquire pressure difference between different rooms. It can be widely applied to Air-conditioning and ventilation systems, Building automation, Environmental protection, Fan and ventilation control, Valve and shutter control, Filter and fan monitoring.

■ **Specifications**

| Model | TDP-025 | TDP-125 | TDP-500 |
|-------|---------|---------|---------|
| Detecting method | Thermal flow-through principal | | |
| Response time (T1/e) | 4.6 ms typical at 12-bit resolution | | |
| Measuring range | -25~25 Pa | -125~125 Pa | -500~500 Pa |
| Media compatibility | Air, N2, O2 | | |
| Temperature compensation | Yes | | |
| Accuracy | Zero : ±0.1 pa ; Span : ±3% of F.S. | | Zero : ±0.2 pa ; Span : ±3% of F.S. |
| Repeatability | 0.5% of F.S. | | |
| Offset stability | < 0.1 pa/ yr. | | |
| Signal output | DC 4 ~ 20mA (Loading resistance ≦500Ω); DC 0 ~ 10 V(Loading resistance ≧50KΩ); RS485 (Modbus RTU) | | |

| Display (optional) | LCD display (3 digits) | | |
|---|---|---|---|
| Display selection | -25 ~ 25 Pa<br>-25 ~ 0 Pa<br>0 ~ 25 Pa | -125 ~ 125 Pa<br>-125 ~ 0 Pa<br>0 ~ 125 Pa | -500 ~ 500 Pa<br>-500 ~ 0 Pa<br>0 ~ 500 Pa |
| Withstand pressure | 1 bar | | |
| Burst pressure | > 5 bar | | |
| Operating environmental | -10°C ~ +60 °C ; 0 ~ 95% RH (no condensation) | | |
| Transportation and storage | -20°C ~ +70 °C | | |
| Warm-up time | Typ. 50 ms (first measurement typically after 16 ms) | | |
| Power supply | 12 ~ 36V AC/DC，50/60Hz | | |
| Power consumption | <0.6W ( peak value) | | |
| Installation | Wall-mount | | |
| Dimensions (mm) | 98(H) x 64(W) x 34(D) | | |
| Case material | Cast aluminum | | |
| IP rating | IP54 | | |
| Certifications | CE and FCC | | |

■    **Dimensions** ─────────────────────────────