

PRESSURE MEASUREMENT

FD3051 Intelligent Flange Differential Pressure Transmitter

Product Overview

FD3051 series intelligent capacitance transmitter is a high-precision, high stability, multi-parameter pressure/differential pressure measurement product, with HART protocol. The reliable explosion-proof structure design and standardized signal output, high accuracy and wide range, suitable for precision measurement of fluid pressure. Performing digital communication with HART375 Communicator, and electromagnetic radiation meets the IEC801 standard.



Main Feature

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| ◆ Wide measurement range. Gauge, Absolute, Negative pressure |
| ◆ The sensor adopts digital compensation and nonlinear correction |
| ◆ Laser marking, exquisite appearance |
| ◆ Digital circuit design, on-site adjustment button to zero |
| ◆ IP65 protection design, suitable for field, open air and other harsh environments |
| ◆ Meeting GB3836 standard, Obtained Explosion-proof certificate |

Performance Index

| Item | Technical Parameters |
|-----------------------|----------------------------------------------------|
| Pressure range | 0-5kPa ~ 10MPa |
| Pressure Type | Gauge, Absolute, Negative Pressure (Optional) |
| Quantity ratio | 40:1 |
| Accuracy | 0.1%F.S / 0.25%F.S / 0.5%F.S Optional |
| Long-term Stability | 0.1%F.S/year |
| Working Temperature | -20°C ~ 80°C |
| Power Supply | 12V ~ 32VDC |
| Output Signal | 4mA ~ 20mA DC / 1V-5VDC / RS485 Optional |
| Protocol | MODBUS RTU/ HART |
| Electronic connection | M20*1.5(F) |
| Protection Grade | IP65 |
| Explosion-proof Grade | Exia II CT6 Ga, Exd II CT6 Gb, ExtD A21 IP66 T80°C |
| Products Warranty | 12 months |

| Dimensions | Electrical interface and wiring method |
|------------|----------------------------------------|
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