



SD03

Industrial-grade Metal Meter
Can be connected to a 2-wire transmitter
Anti-interference Design
Multiple Input Type

SD03 bundle product



SD03-T



SD03-P



SD03-MP



SD03-L

| Features |

- Multiple input types:
Temperature, Pressure, Differential Pressure, Flow, etc.
- 2-wire loop design
- Anti-interference design
- Protection rating : IP 67
- Suitable for industrial environments
- 4-digit LED display, decimal point can be arbitrarily planned

| Introduction |

SD03 is set according to the SENSOR range. Integrated display for industrial sites and 2-wire transmitters. Power supply in two-wire signal loop, high performance and stability suitable for on-site monitoring.

“ Applications :

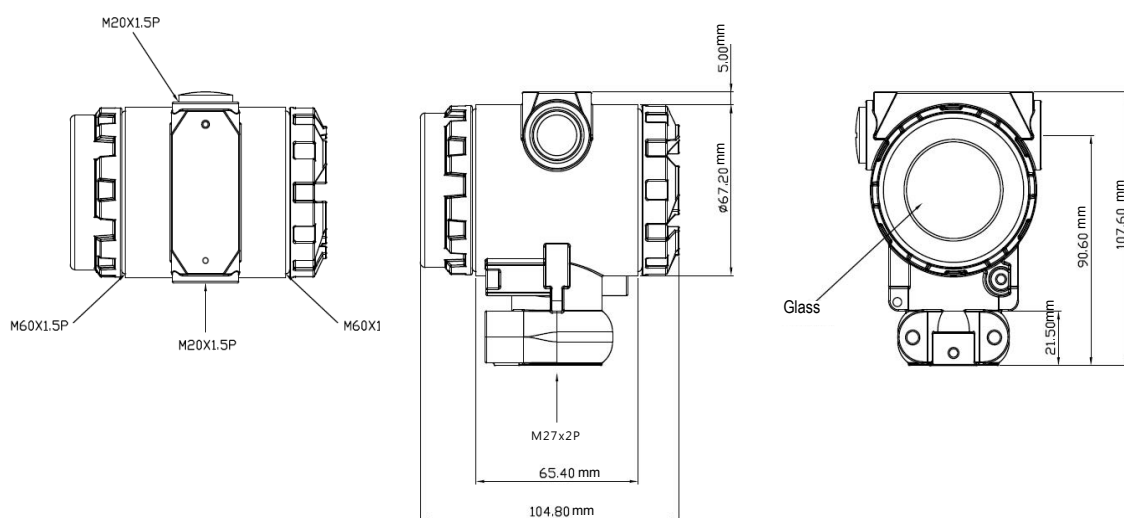
Semiconductor Industry / Steel Industry / Chemical Industry / Environmental engineering / Food / Pharmaceutical / Water Plant / Power Plant / R&D Testing



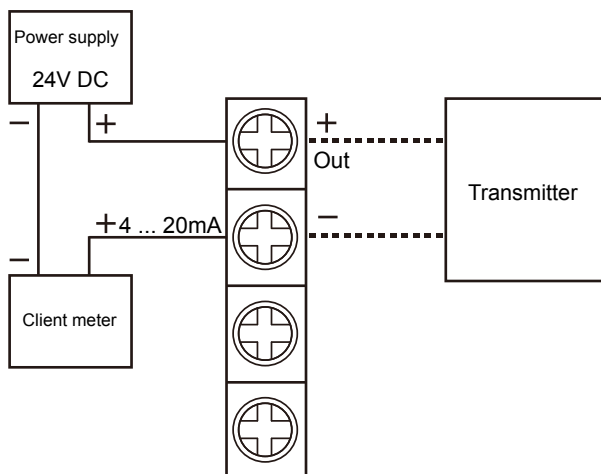
Specification

Input	4 ... 20 mA DC Temperature / Pressure / Differential pressure / Flow, etc.
Display range	-1999 ... +9999
Scale	Decimal point, rogrammable
Signal connection	2-wire
Accuracy	0.2 % F.S
Voltage drop	3.3 VDC
Overload current	40mA DC
Power	4 ... 20mA, 2-wire Loop
Electrical connection	M27x2 (Optional M27x1.5)
Protection rating	IP 67
Electrical protection	■Polarity reversal protection
Environmental temperature	-20°C ... +70°C
Material	Rugged aluminum
Weight	Metal:618g(Without wire)

Dimension



Analog Diagram



SD03-T Integrated Indicator Temperature Transmitter

SD03 - **T** - **1** - **1** - **4** - **1** - **W**

Temp.
T

Output
1 : 4 ... 20mA

Range
1 : -50 ... +50°C
2 : -50 ... 0°C
3 : 0 ... 50°C
4 : 0 ... 100°C
5 : 0 ... 200°C
Y : Customization

Process connection
4 : Outside thread R1/2"

Length (L)
1 : 50mm
2 : 100mm
3 : 150mm
4 : 200mm
0 : Customization

Option
W : Option



2 : Outside thread R1/4"
4 : Outside thread R1/2"
A : Adjustable outside thread R1/4"
B : Adjustable outside thread R1/2"
0 : W/O outside thread / Special thread

SD03-P Integrated Indicator Pressure Transmitter

SD03 - **P** - **1** - **21** - **2** - **N** - **W**

Pressure
P

Output
1 : 4 ... 20mA

Range
Absolute pressure
011 : 1bar
012 : 2 bar
014 : 4 bar
016 : 6 bar
021 : 10 bar
Relative pressure
111 : 1bar
113 : 2.5 bar
114 : 4 bar
116 : 6 bar
121 : 10 bar
122 : 16 bar
123 : 25 bar
124 : 40 bar

Process connection
2 : PT 1/4 Outside thread

Option
W : Option



1 : G 1/4 Outside thread
2 : PT 1/4 Outside thread
None

SD03-MP Integrated Indicator Differential Pressure Transmitter

SD03 - **MP** - **1** - **21** - **0** - **N** - **W**

Differential pressure

Output

Range

Process connection

Option

1 : 4 ... 20mA

01 : 0.1bar
02 : 0.2 bar
04 : 0.4 bar
06 : 0.6 bar
11 : 1.0 bar
13 : 2.5 bar
14 : 4.0 bar
16 : 6.0 bar
21 : 10 bar
22 : 16 bar

0 : Housing G 1/4"
Inside thread

None

Option



SD03-L Integrated Indicator Level Transmitter

SD03 - **L1** - **1** - **03** - **05** - **1** - **W**

Level

Output

Range

Cable length

Cable

Option

L1 : L051
L3 : L053

1 : 4 ... 20mA

01 : 0.1 bar(only for L3)
02 : 0.16 bar(only for L3)
03 : 0.25 bar
04 : 0.4 bar
06 : 0.6 bar
11 : 1.0 bar
12 : 1.6 bar
13 : 2.5 bar
14 : 4.0 bar
16 : 6.0 bar
21 : 10 bar

03 : 3 m
04 : 4 m
05 : 5 m
06 : 6 m
08 : 8 m
12 : 12 m
18 : 18 m
27 : 27 m
42 : 42 m
62 : 62 m
A2 : 102 m
00 : Option

1 : PVC
2 : PTFE(only for L1)

Option



Note: The standard specification is the pressure range corresponding to the line length, for example:
Pressure range 04: 0.4bar corresponds to line length of 06: 6 meters,
pressure range 21: 10bar corresponds to line length A2: 102 meters, etc.



| Additional option (ILAC / TAF) Test report |



Additional option (ILAC/TAF) Test report - Standard Calibration laboratory(TAF Accreditation: 3032)

Project	Measurand level or range
Resistance thermometer	-40°C ... +300°C
Thermocouple thermometer	-20°C ... +300°C

Project	Measurand level or range
Pressure gauge	Gauge pressure : 10 ... 7000kPa(5 basic points or 3 basic points)
	Absolute pressure : 20 ... 170kPa(5 basic points or 3 basic points)