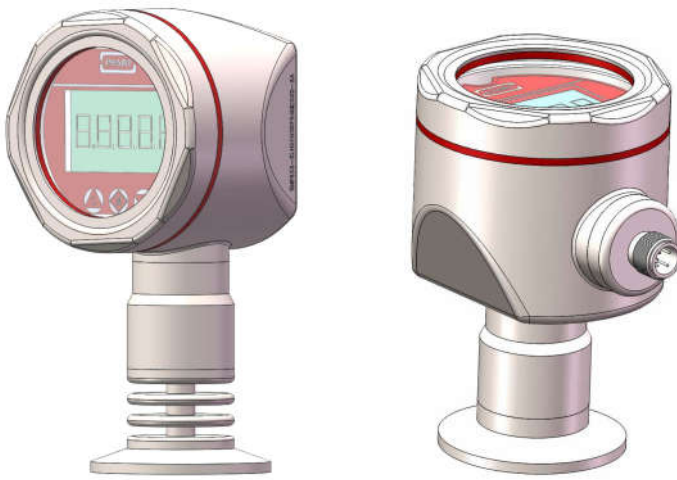


Product introduction

Description

Hygienic pressure transmitter



Vertical installation with cooling element Standard horizontal installation

Hygienic pressure transmitter, designed for food and pharmaceutical industry, is suitable for CIP/SIP cleaning and sterilization. Smart compact design, the welded process diaphragm medium parts is made of high quality stainless steel 316L, roughness \leq 0.4 μ m, filling fluid with hygiene standard in line with FDA certification, variety of international standard process connections are available.

Main parameters

| | |
|--------------------|--|
| Pressure types | Gauge pressure |
| Measuring range | 10kPa-3.5MPa, please refer to the ordering information chapter |
| Output signal | 4-20mA, 4-20mA+HART, customer |
| Reference accuracy | \pm 0.2% URL, \pm 0.5% URL, customer |

Field of application

Pressure, level

Approvals



Measuring medium

viscous, paste-like, adhesive, crystallising, particulatescontaining and contaminated media

Technical specifications

| Nominal value | Smallest calibratable span | Lower range limit (LRL) | Upper range limit (URL) | Overpressure limit* |
|---------------|----------------------------|-------------------------|-------------------------|---------------------|
| 20kPa | 10kPa | -20kPa | 20kPa | 30kPa |
| 35kPa | 20kPa | -35kPa | 35kPa | 52.5kPa |
| 100kPa | 35kPa | -100kPa | 100kPa | 150kPa |
| 200kPa | 100kPa | -100kPa | 200kPa | 300kPa |
| 700kPa | 200kPa | -100kPa | 700kPa | 1050kPa |
| 1MPa | 500kPa | -100kPa | 1MPa | 1.5MPa |
| 1.7MPa | 1MPa | -100kPa | 1.7MPa | 2.55MPa |
| 3.5MPa | 1.7MPa | -100kPa | 3.5MPa | 5.25MPa |

The unit of the measuring range above can be converted into kg/cm²、MPa and kPa. Provide other measuring range according to requirements. Adjust requirements: lower range value (LRV) and upper range value (URV) can be adjusted within the scope of the upper and lower range limit, minimum measuring range ≤ |URV - LRV| ≤ maximum measuring range.

*Limit value of overpressure: depends on the pressure value of the parts with lowest pressure capacity

Standard specifications and reference conditions

Test standard: GB/T28474 / IEC60770; zero based-calibration span, linear output, silicon oil filling, 316L stainless steel isolated diaphragm.

Power supply effects

Zero and span change should not be more than ± 0.005% URL/V when power supply changes in 10.5/16.5-55VDC

Performance specifications

The overall performance including but not limited to **【Reference accuracy】** , **【Environment temperature effects】** , **【Static pressure effects】** and other comprehensive error

Typical accuracy: ±0.2% URL

Stability: ±0.2% URL/year

Loading effects

Zero and span change should not be more than ± 0.05% URL/kΩ

Vibration effects

Vibration resistance According to IEC60068-2-6 , 10g RMS (25-2000HZ)

Impact resistance According to IEC60068-2-27 , 500g/1ms

Reference accuracy

Including linearity, hysteresis and repeatability. calibration temperature: 20°C±5°C

| Linear output accuracy | Typical | ±0.2% URL | Nominal value 20kPa、35kPa 100kPa、200kPa 700kPa、1MPa 1.7MPa、3.5MPa |
|------------------------|-----------|-----------|---|
| | Max value | ±0.5% URL | |

The accuracy of square root output is 1.5 times of above linear reference output accuracy.

Output signal

| Signal | Type | Output |
|-------------|-----------|----------|
| 4-20mA | Linearity | Two wire |
| 4-20mA+HART | Linearity | Two wire |

Insulation resistance

≥ 20M Ω@ reference, 100VDC

Ambient temperature effects

Within the range -20-80°C total impact ±0.2% URL/10K

Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

Technical specifications

Damping time

| |
|---|
| Total damping time constant: equal to the sum of damping time of amplifier and sensor capsule |
| Damping time of amplifier: 0-100S adjustable |
| Damping time of sensor capsule (isolated diaphragm and silicon filling oil) $\leq 0.2S$ |
| Startup after power off: $\leq 6S$ |
| Normal services after data recovery: $\leq 31S$ |

Weight

| |
|---|
| Net weight: about 0.6kg (without mounting bracket and process connection adaptor) |
|---|

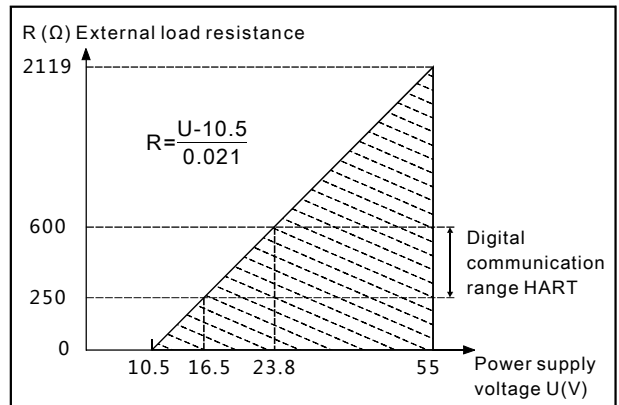
Environment condition

| Items | Operational condition |
|---|---|
| Working temperature | -40-85°C, integrated LCD display: -20-70°C |
| Storage temperature | -40-110°C, integrated LCD display: -40-85°C |
| Media temperature | Hygienic fluid filling: -10-125°C; with heat exchange connector: -10-250°C* |
| | Silicon oil filling: -40-120°C, with heat exchange connector: -40-300°C* |
| Working humidity | 0-95%RH |
| Protection class | IP67 |
| Dangerous condition | ExialICT4(GYB16.1965X)** |
| *Using heat exchange connector may lead to zero offset and temperature drift. The degree depends on mounting position and filling fluid | |
| **Please consult engineers for details | |

Power supply

| Item | Operating conditions |
|-----------------------|---|
| Standard | 10.5-55VDC |
| HART protocol | 16.5-55VDC, communication load resistance 250Ω |
| Load resistance | 0-2119Ω for operation, 250-600Ω for HART protocol |
| Transmission distance | <1000 meters |
| Power consumption | $\leq 500mW@24VDC$, 20.8mA |

Power supply and load requirements



Technical specifications

EMC environment

| NO. | Test items | Basic standards | Test conditions | Performance level |
|-----|--|---------------------------|--|-------------------|
| 1 | Radiated interference | GB/T 9254/CISPR22 | 30MHz-1000MHz | OK |
| 2 | Conducted interference (DC power port) | GB/T 9254/CISPR22 | 0.15MHz-30MHz | OK |
| 3 | Electrostatic discharge immunity test (ESD) | GB/T 17626.2/IEC61000-4-2 | 4kV(Contact),8kV(Air) | B(Note2) |
| 4 | Immunity to radio frequency EM-fields | GB/T 17626.3/IEC61000-4-3 | 10V/m(80MHz-1GHz) | A(Note1) |
| 5 | Power frequency magnetic field Immunity test | GB/T 17626.8/IEC61000-4-8 | 30A/m | A(Note1) |
| 6 | Electrical fast transient / Burst Immunity Test | GB/T 17626.4/IEC61000-4-4 | 2kV(5/50ns,100kHz) | B(Note2) |
| 7 | Surge immunity requirements | GB/T 17626.5/IEC61000-4-5 | 1kV(Line to line) 2kV(Line to ground) (1.2us/50us) | B(Note2) |
| 8 | Immunity to conducted disturbances induced by radio frequency fields | GB/T 17626.6/IEC61000-4-6 | 3V(150kHz-80MHz) | A(Note1) |

(Note 1) Performance level A: The performance within the limits of normal technical specifications.

(Note 2) Performance level B: Temporary reduction or loss of functionality or performance, it can restore itself. The actual operating conditions, storage and data will not be changed.

Menu function

Transmission module type

| Output signal | Local control | Remote control |
|---------------|-----------------------|----------------|
| 4-20mA+HART | LCD/3 buttons on body | HART |
| 4-20mA | LCD/3 buttons on body | - |

LCD display unit

| Display mode | Details |
|--------------|--|
| PV | Process variable shows on main screen, percentage and progress bar shows on secondary screen |
| mA | Current shows on main screen, percentage and progress bar shows on secondary screen |
| % | Percentage shows on main screen, percentage and progress bar shows on secondary screen |

Unit

| Unit | Definition |
|--------|--------------------------------|
| kPa | Kilopascal |
| MPa | Megapascals |
| bar | Bar |
| psi | Pounds per square inch |
| mmHg | Millimetre(s) of mercury@0°C |
| mmH2O | Millimeter of water@4°C |
| mH2O | Meter of water@4°C |
| inH2O | Inches of water@4°C |
| ftH2O | Feet of water@4°C |
| inHg | Inches of mercury@0°C |
| mHg | Meter mercury column@0°C |
| TORR | Torr |
| mbar | Millibar |
| g/cm2 | Gram per square centimeter |
| kg/cm2 | Kilogram per square centimeter |
| Pa | PA |
| ATM | Standard atmospheric pressure |
| mm | Millimeter(Note1) |
| m | Meter(Note1) |

Note1: length unit need mark medium density

Measuring menu set

| Mark | State |
|------|-------------------------|
| URV | Upper range value, 20mA |
| LRV | Lower range value, 4mA |

Damping time

| Units | Setting range |
|-------|---------------|
| S | 0-100 |

Analog output type

| Parameters | Output type |
|-------------------|-------------|
| mA LINER | Linearity |
| mA $\sqrt{\quad}$ | Square root |

Alarm signal

| Parameters | Alarm signal |
|------------|--------------|
| ALARM NO | None |
| ALARM H | 20.8mA |
| ALARM L | 3.8mA |

Fix output

| Parameters | Fix output value |
|------------|------------------|
| FIX/C NO | None |
| 3.8000 | 3.8000mA |
| 4.0000 | 4.0000mA |
| 8.0000 | 8.0000mA |
| 12.000 | 12.000mA |
| 16.000 | 16.000mA |
| 20.000 | 20.000mA |
| 20.800 | 20.800mA |

Quick menu

| Parameter | Instruction |
|-------------------------|---|
| PV=0 | Set current output to zero value, used to correct the error caused by static pressure and installation. |
| Zero adjustment | 4mA re-range with pressure |
| Span adjustment | 20mA re-range with pressure |
| Restore factory setting | Restore backup data when error |

Product selection instruction

Sensor select instruction

| Code | Nominal value | Description |
|-------|---------------|---|
| L203G | 20kPa | Range -20kPa-20kPa, smallest calibratable span 10kPa |
| L353G | 35kPa | Range -35kPa-35kPa, smallest calibratable span 20kPa |
| L104G | 100kPa | Range -100-100kPa, smallest calibratable span 35kPa |
| L204G | 200kPa | Range -100kPa-200kPa, smallest calibratable span 100kPa |
| L704G | 700kPa | Range -100kPa-700kPa, smallest calibratable span 200kPa |
| L105G | 1MPa | Range -100kPa-1MPa, smallest calibratable span 500kPa |
| L175G | 1.7MPa | Range -100kPa-1.7MPa, smallest calibratable span 1MPa |
| L355G | 3.5MPa | Range -100kPa-2MPa, smallest calibratable span 1.7MPa |

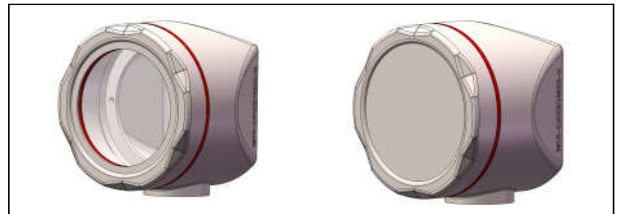
Adjust requirements: lower range value (LRV) and upper range value (URV) can be adjusted within the scope of the upper and lower range limit, minimum measuring range $\leq |URV - LRV| \leq$ maximum measuring range

| Code | Position | Instruction |
|------|-------------|------------------------------|
| F | Sensor seal | Stainless steel welding seal |

Electrical connection

| Code | Item | Description |
|------|-----------------------|---|
| F1 | Electrical connection | Stainless steel terminal, aviation plug M12*1 (4 pin) (H2), IP67, vertical mounting |
| F2 | | Stainless steel terminal, aviation plug M12*1 (4 pin) (H2), IP67, horizontal mounting |

Housing(F1)



Housing(F2)



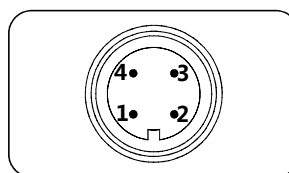
Aviation plug, M12*1, 4 pin(H2)



Electrical connection

Aviation plug, M12*1, 4 pin(H2)

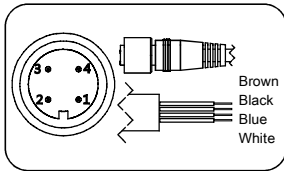
| label | Two wires |
|-------|-----------|
| 1 | Power+ |
| 2 | |
| 3 | |
| 4 | Power- |



Product selection instruction

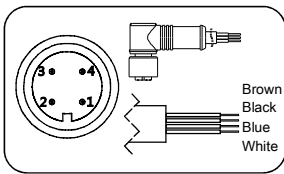
Electrical connection accessories

Aviation plug straighter(J1)



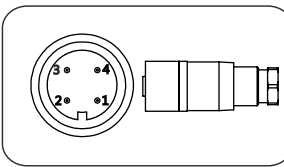
| label | Two wires |
|---------|-----------|
| 1/Brown | Power+ |
| 2/White | |
| 3/Blue | |
| 4/Black | power- |

Aviation plug elbow(J2)



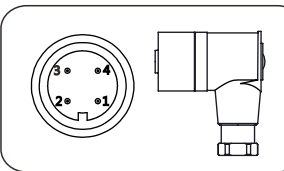
| label | Two wires |
|---------|-----------|
| 1/Brown | power+ |
| 2/White | |
| 3/Blue | |
| 4/Black | Power- |

Aviation plug straighter(J4)



| Label | Two wires |
|-------|-----------|
| 1 | Power+ |
| 2 | |
| 3 | |
| 4 | Power - |

Aviation plug elbow(J5)

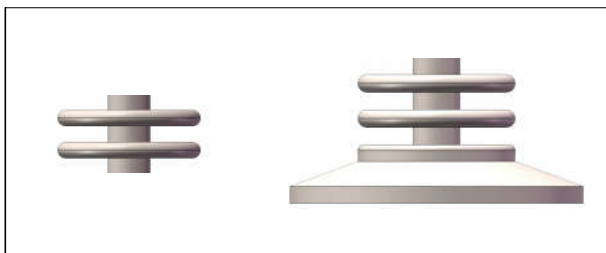


| Label | Two wires |
|-------|-----------|
| 1 | Power+ |
| 2 | |
| 3 | |
| 4 | Power - |

Transmission module

| Code | Items | Description |
|------|---------------|--|
| F | Output signal | 4-20mA two wire, power supply: 10.5-55VDC |
| H | | 4-20mA+HART two wire, power supply: 16.5-55VDC |
| A | Display | Without display |
| C | | With LCD display |

Cooling element connector (HT)



Display module(C)

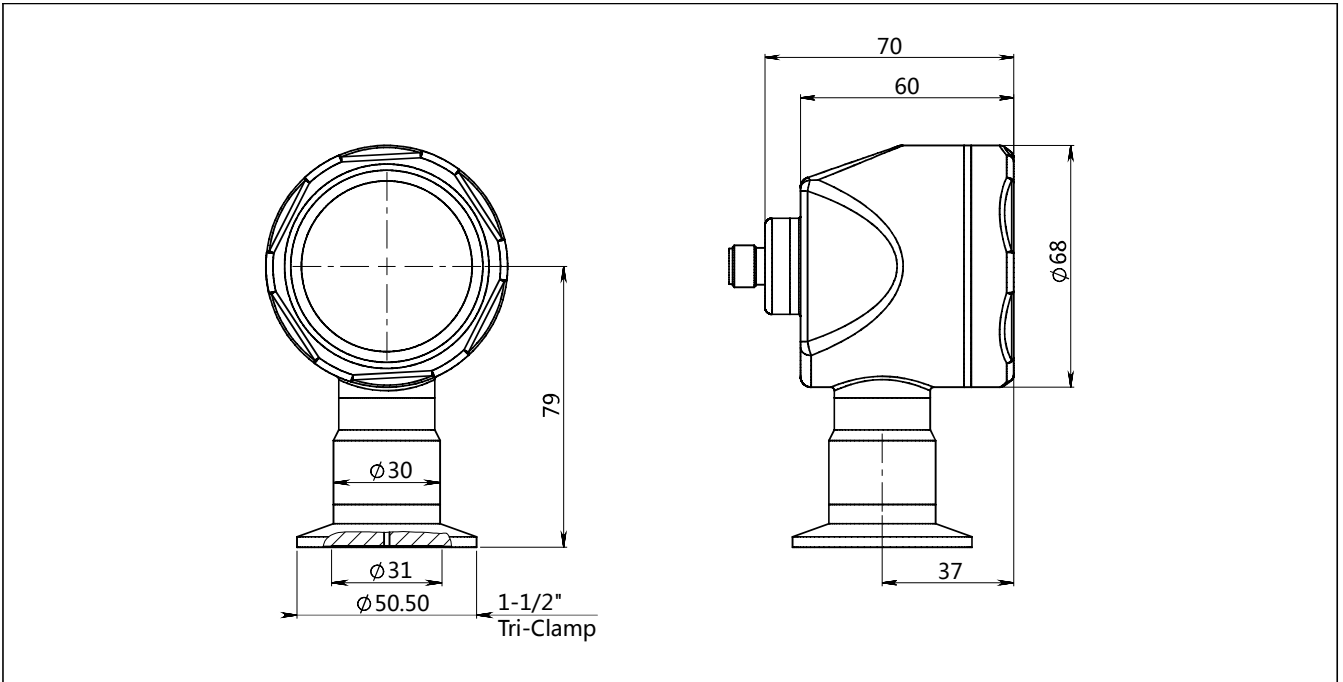


Process connection select instruction

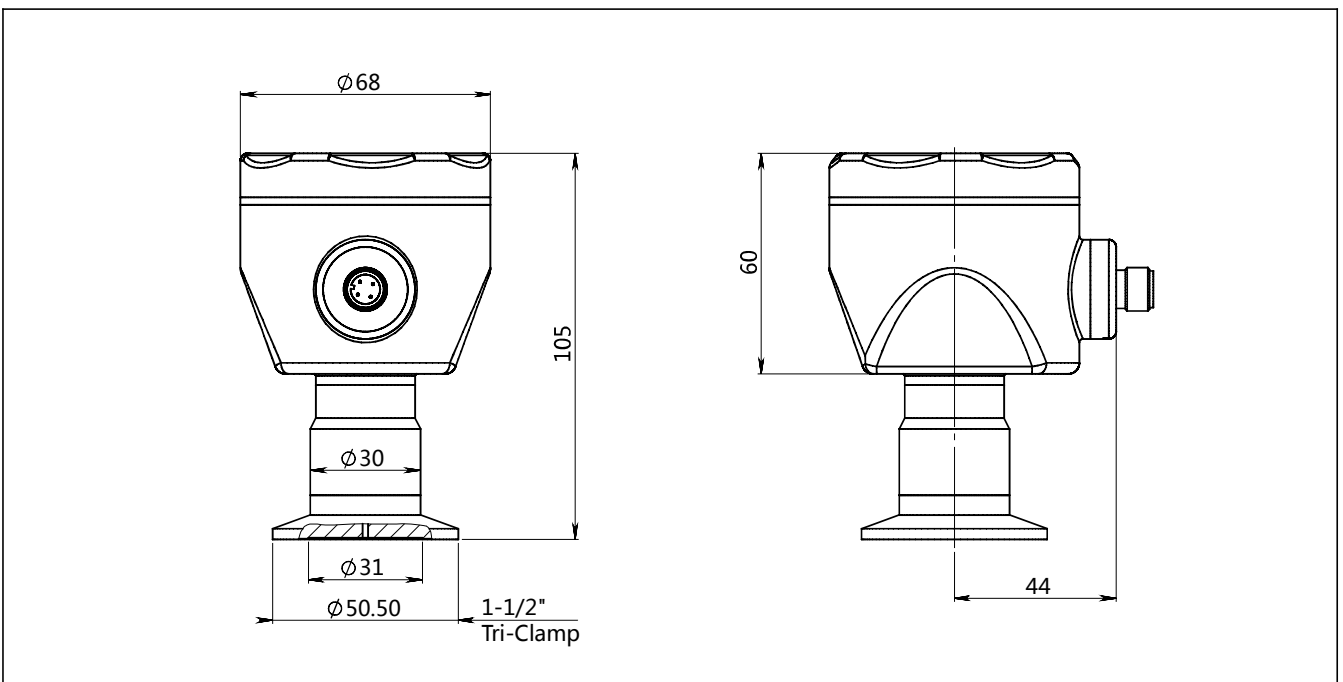
| Code | Items | Description |
|------|-----------------------------------|---|
| 4 | Process connector material | Stainless steel, SUS304 |
| 6 | | Stainless steel, SUS316 |
| NT | Connection type | Standard connection, medium temperature: -25-85°C |
| HT | | Cooling element connector, medium temperature: -40-150°C |
| F | Isolated filling fluid | Hygienic fluid filling, Neobee M-20, process temperature: -10-180°C |
| S | | Silicon oil filling, process temperature: -45-205°C |
| S | Isolated diaphragm material | Stainless steel, SUS316L |
| H | | Hastelloy C |
| K01 | Process connection specification | Tri-Clamp 1-1/2" |
| K02 | | Tri-Clamp 2" |
| K03 | | DIN32676 DN32 |
| K04 | | DIN32676 DN40 |
| K05 | | DIN32676 DN50 |
| K06 | | ISO2852 DN38 |
| K07 | | ISO2852 DN40 |
| K08 | | ISO2852 DN51 |
| K09 | | DIN11851 DN25 |
| K10 | | DIN11851 DN40 |
| K11 | | DIN11851 DN50 |
| K12 | | SMS DN1-1/2" |
| K13 | | SMS DN2" |
| K14 | IDF DN1-1/2" | |
| K15 | IDF DN2" | |
| K18 | DRD | |
| K20 | Plug in tube flush hygienic-clamp | |

Product drawing and dimension

Standard drawing and dimension with display(C)/ without display (A)vertical installation(F1)(unit:mm)



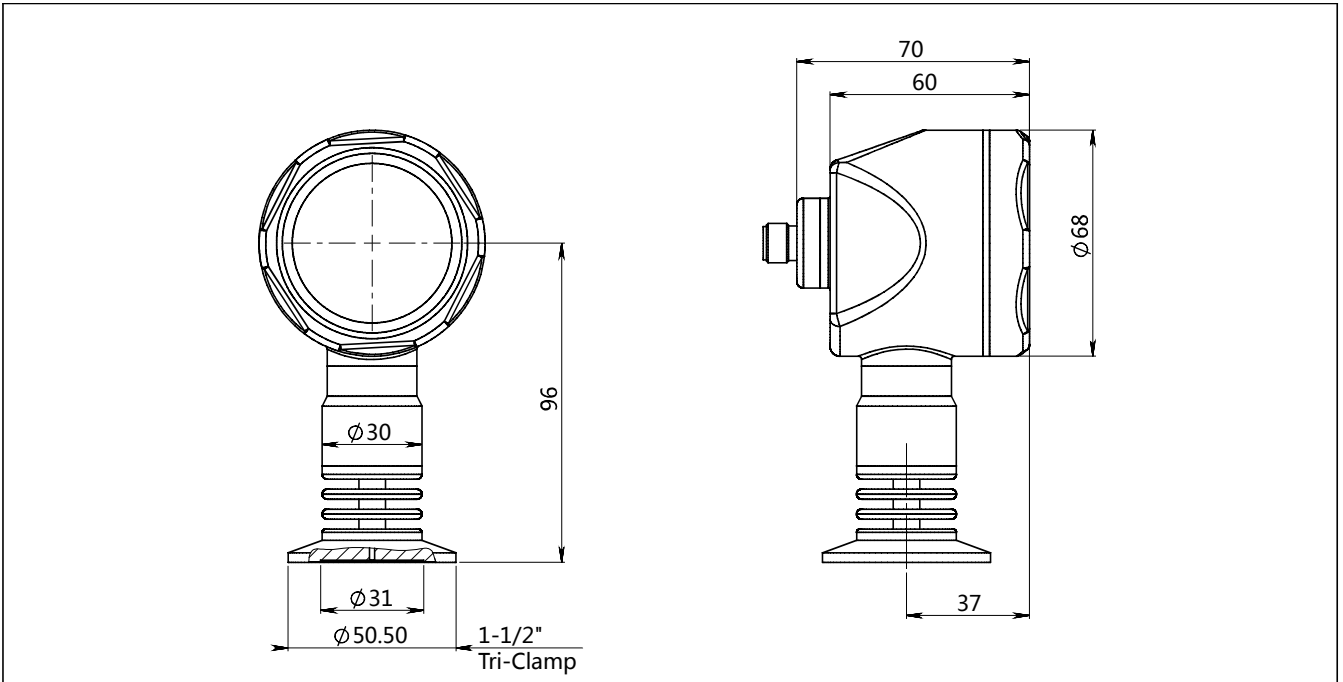
Standard drawing and dimension with display(C) / without display(A) horizontal installation(F2)(unit:mm)



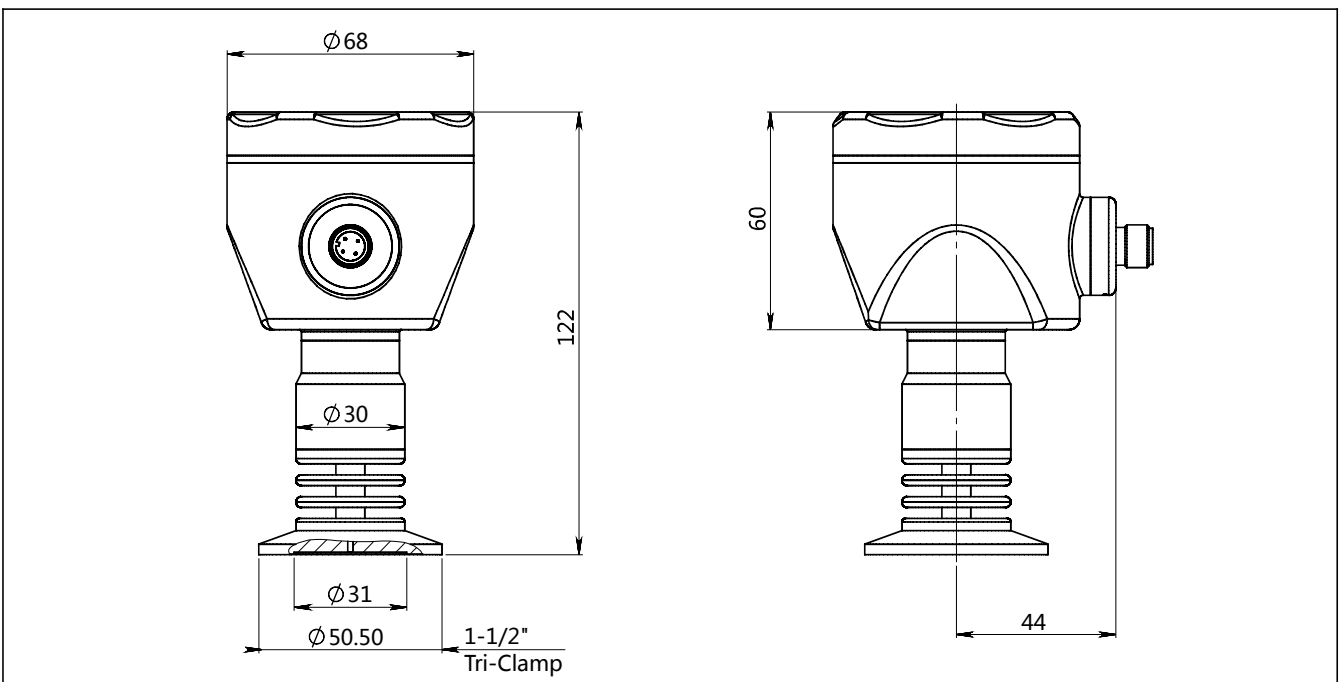
Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

Product drawing and dimension

Drawing and dimension with display(C)/ without display (A) vertical installation(F1) with cooling element (unit:mm)



Drawing and dimension with display(C)/ without display (A) horizontal installation(F2) with cooling element (unit:mm)

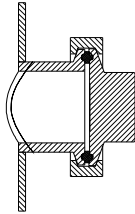


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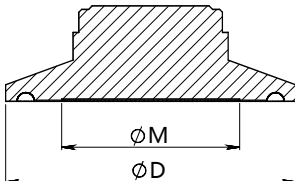
Product drawing and dimension

Process connection (K01-K08)(unit: mm)

Installation Sketches



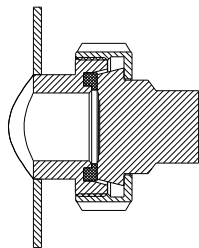
Dimension



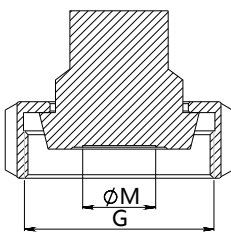
| Standard | Specification | Size(ΦD) | Diaphragm size(ΦM) |
|-----------|---------------|----------|--------------------|
| Tri-Clamp | 1-1/2" | 50.5 | 31 |
| Tri-Clamp | 2" | 64 | 42 |
| DIN32676 | DN32 | 50.5 | 31 |
| DIN32676 | DN40 | 50.5 | 31 |
| DIN32676 | DN50 | 64 | 42 |
| ISO2852 | DN38 | 50.5 | 31 |
| ISO2852 | DN40 | 64 | 42 |
| ISO2852 | DN51 | 64 | 42 |

Process connection (K09-K11)(unit: mm)

Installation Sketches



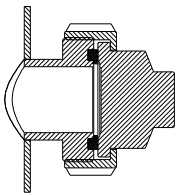
Dimension



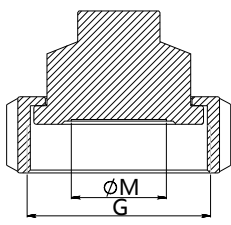
| Standard | Specification | Size(G) | Diaphragm size(ΦM) |
|----------|---------------|-----------|--------------------|
| DIN11851 | DN25 | Rd 52*1/6 | 20 |
| DIN11851 | DN40 | Rd 65*1/6 | 31 |
| DIN11851 | DN50 | Rd 78*1/6 | 42 |

Process connection (K12-K13)(unit: mm)

Installation Sketches



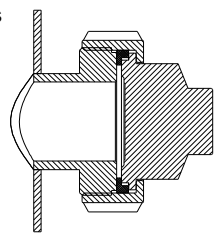
Dimension



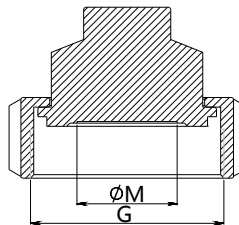
| Standard | Specification | Size(G) | Diaphragm size(ΦM) |
|----------|---------------|-----------|--------------------|
| SMS | 1-1/2" | Rd 60*1/6 | 31 |
| SMS | 2" | Rd 70*1/6 | 42 |

Process connection (K14-K15)(unit: mm)

Installation Sketches



Dimension

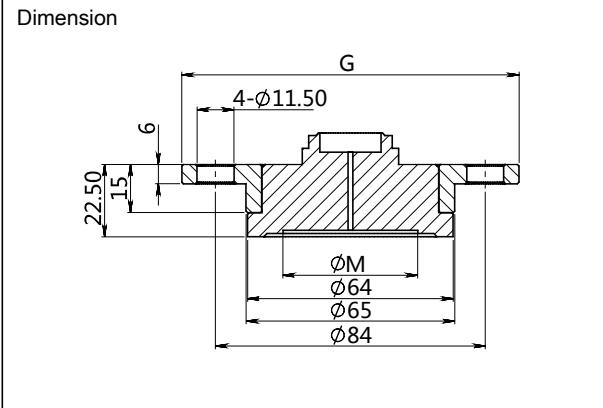
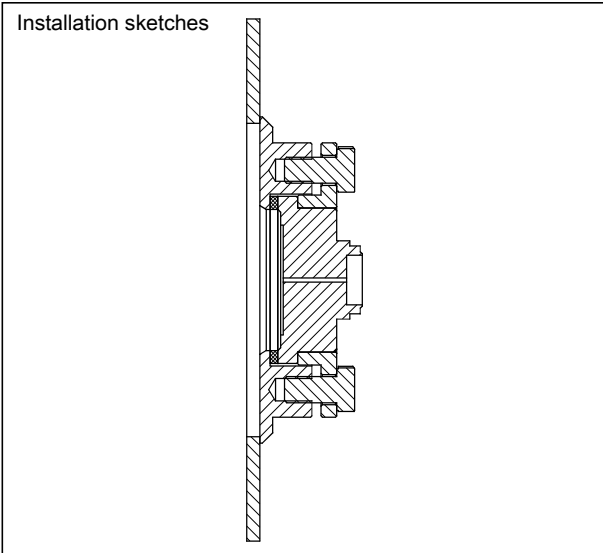


| Standard | Specification | Size(G) | Diaphragm size(ΦM) |
|----------|---------------|------------|--------------------|
| IDF | 1-1/2" | IDF 1-1/2" | 31 |
| IDF | 2" | IDF 2" | 42 |

Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

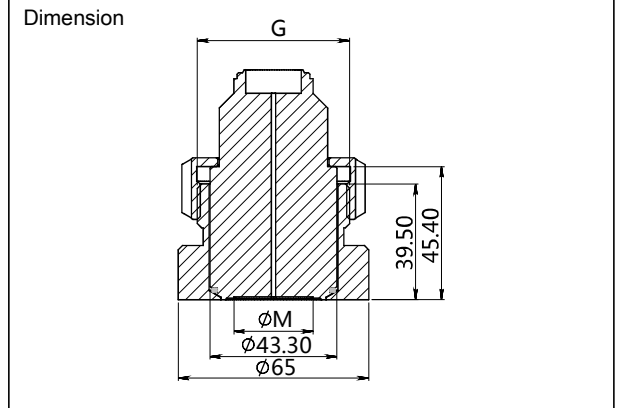
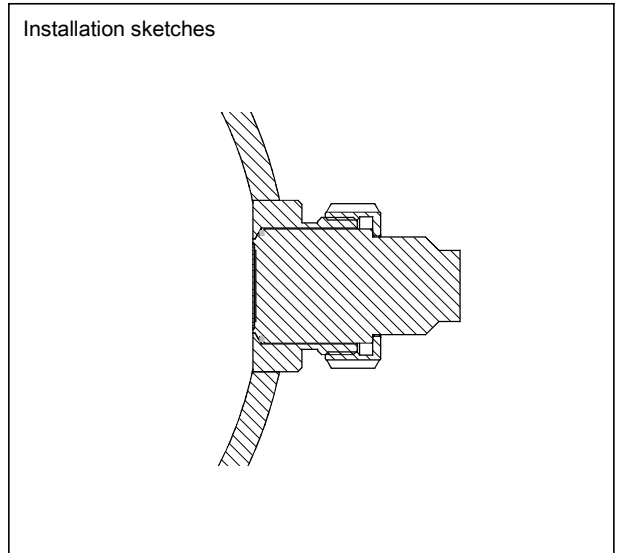
Product drawing and dimension

Process connection (K18) (unit: mm)



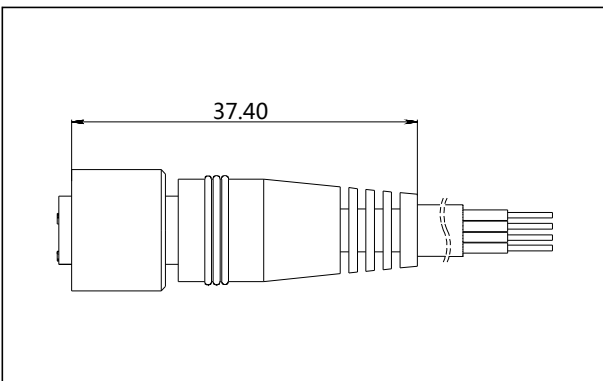
| Standard | Specification | Size(G) | Diaphragm size(ΦM) |
|----------|---------------|---------|--------------------|
| DRD | DN50 | 105 | 42 |

Process connection (K20) (unit: mm)

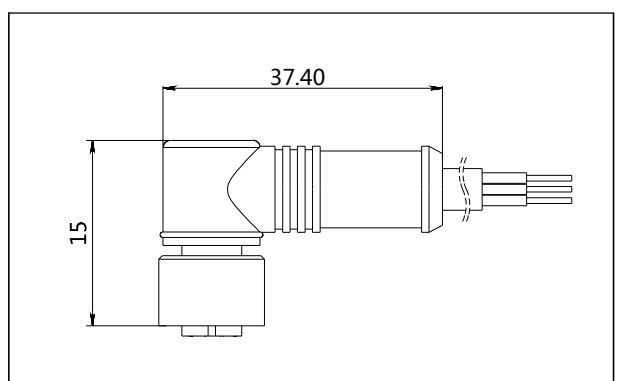


| Standard | Specification | Size(G) | Diaphragm size(ΦM) |
|----------|---------------|-----------|--------------------|
| Normal | Standard | Rd 52*1/6 | 27 |

Aviation female plug straighter(J1) (unit: mm)



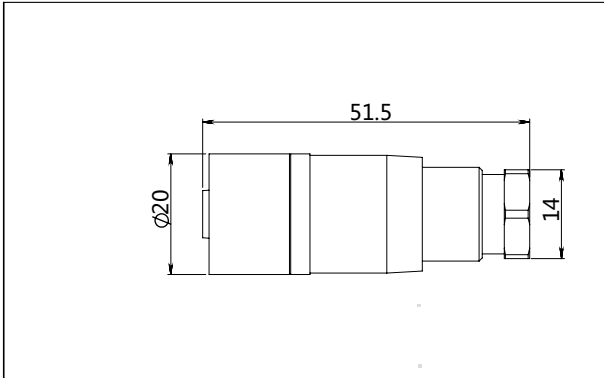
Aviation female plug elbow(J2) (unit: mm)



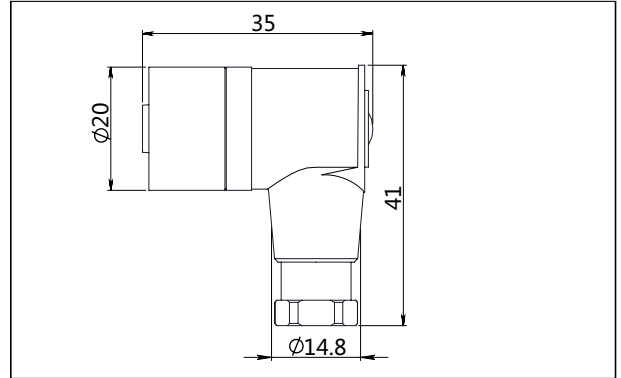
Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

Product drawing and dimension

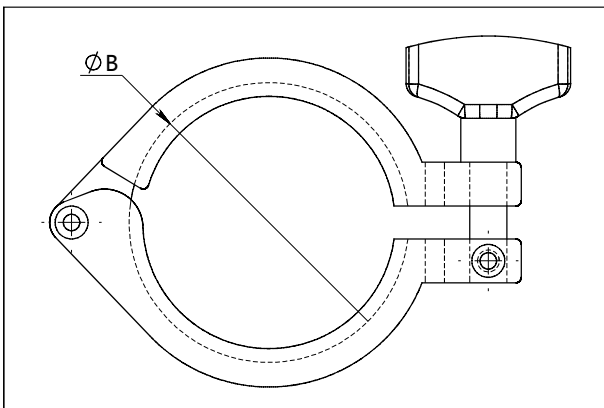
Aviation female plug straighter(J4) (unit: mm)



Aviation female plug elbow(J5) (unit: mm)

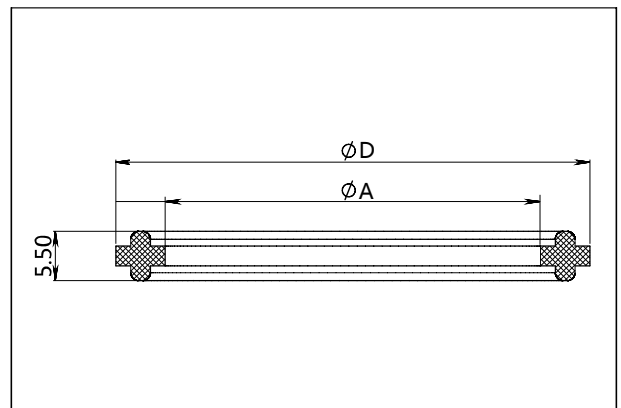


Clamp(G1-G2)(unit: mm)



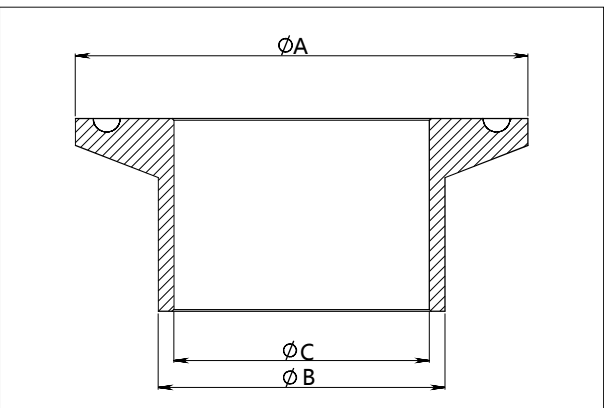
| Standard | Specification | Dimension(ΦB) |
|-----------|---------------|---------------|
| Tri-Clamp | 1-1/2" | 53.9 |
| Tri-Clamp | 2" | 67.4 |

Sealing gasket (M1-M2) (unit: mm)



| Standard | Specification | ΦD (ΦD) | Size(ΦA) |
|-----------|---------------|-----------|----------|
| Tri-Clamp | 1-1/2" | 50.5 | 35 |
| Tri-Clamp | 2" | 64 | 47.8 |

Welding adapter(Z1-Z1)(unit : mm)



| Standard | Specification | Size(ΦA) | Size(ΦB) | Size(ΦC) |
|-----------|---------------|----------|----------|----------|
| Tri-Clamp | 1-1/2" | 50.5 | 38 | 35.6 |
| Tri-Clamp | 2" | 64 | 51 | 48.6 |

Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

Ordering information chapter

| Item | Parameters | Code | Instruction | (*)fast delivery available | |
|-----------------------|-----------------------------------|----------------------------|---|---|---|
| | Model | SMP858-TLF | Piezoresistive silicon gauge pressure transmitter | | |
| Sensor | Separator | - | Detailed specifications as following | | |
| | Pressure range code | L203G | Nominal value(URL): 20kPa | | |
| | | L353G | Nominal value(URL): 35kPa | | |
| | | L104G | Nominal value(URL): 100kPa | * | |
| | | L204G | Nominal value(URL): 200kPa | * | |
| | | L704G | Nominal value(URL): 700kPa | * | |
| | | L105G | Nominal value(URL): 1MPa | * | |
| | | L175G | Nominal value(URL): 1.7MPa | * | |
| | L355G | Nominal value(URL): 3.5MPa | | | |
| | Sensor seal | F | Stainless steel welding seal | * | |
| Electrical connection | Separator | - | Detailed specifications as following | | |
| | Electrical connection | F1 | Stainless steel terminal, aviation plug M12*1 (4 pin) (H2), IP67, vertical mounting | * | |
| | | F2 | Stainless steel terminal, aviation plug M12*1 (4 pin) (H2), IP67, horizontal mounting | * | |
| | Cable entry protector | R0 | None | | |
| Output | Separator | - | Detailed specifications as following | | |
| | Output signal | H | 4-20mA+HART two wire, power supply: 16.5-55VDC | * | |
| | | F | 4-20mA two wire, power supply: 10.5-55VDC | | |
| | Display | C | LCD display | * | |
| | | A | Without LCD display | | |
| Process connection | Separator | - | Detailed specifications as following | | |
| | Process connector material | 4 | Stainless steel SUS304 | * | |
| | | 6 | Stainless steel SUS316 | | |
| | Connection type | NT | Standard connection, medium temperature: -25-85°C | * | |
| | | HT | Cooling element connector, medium temperature: -40-150°C | * | |
| | Isolated filling fluid | F | Hygienic fluid filling, Neobee M-20, process temperature: -10-180°C | * | |
| | | S | Silicon oil filling, process temperature: -45-205°C | * | |
| | Isolated diaphragm material | S | SUS316L | * | |
| | | H | Hastelloy C | | |
| | Process connection specifications | | K01 | Tri-Clamp 1-1/2", max measuring range: 2MPa | * |
| | | | K02 | Tri-Clamp 2", max measuring range: 2MPa | |
| | | | K03 | DIN32676 DN32, max measuring range: 1.6MPa | |
| | | | K04 | DIN32676 DN40, max measuring range: 1.6MPa | |
| K05 | | | DIN32676 DN50, max measuring range: 1.6MPa | | |
| K06 | | | ISO2852 DN38, max measuring range: 4MPa | | |

Disclaimer: all the data used in the product description is not legally binding. Relevant technical details may be changed due to further improve

Ordering information chapter

| | | | | |
|---|---------------------------------|-----|---|---|
| | | K07 | ISO2852 DN40, max measuring range: 4MPa | |
| | | K08 | ISO2852 DN51, max measuring range: 2.5MPa | |
| | | K09 | DIN11851 DN25, max measuring range: 2.5MPa | |
| | | K10 | DIN11851 DN40, max measuring range: 2.5MPa | |
| | | K11 | DIN11851 DN50, max measuring range: 2.5MPa | |
| | | K12 | SMS DN1-1/2", max measuring range: 2.5MPa | |
| | | K13 | SMS DN2", max measuring range: 2.5MPa | |
| | | K14 | IDF DN1-1/2", max measuring range: 2MPa | |
| | | K15 | IDF DN2", max measuring range: 2MPa | |
| | | K18 | DRD, max measuring range: 2.5MPa | |
| | | K20 | Plug in tube flush hygienic-clamp, max measuring range: 2MPa | |
| Additional option | Separator | - | Detailed specifications as following | |
| | Electrical connection accessory | /J1 | Aviation female plug (straighter) with 2m cable, 4 pin, M12*1, IP67 | * |
| | | /J2 | Aviation female plug (elbow) with 2m cable, 4 pin, M12*1, IP67 | |
| | | /J4 | Aviation female plug (straighter) without cable, 4 pin, M12*1, IP67 | * |
| | | /J5 | Aviation female plug (elbow) without cable, 4 pin, M12*1, IP67 | * |
| | Process connection accessory | /G1 | 1.5" Tri-clamp | |
| | | /G2 | 2" Tri-clamp | |
| | | /M1 | 1.5" sealing gasket, material: silicon rubber, process temperature range: -60-200°C (Approved by FDA) | * |
| | | /M2 | 2" sealing gasket, material: silicon rubber, process temperature range: -60-200°C (Approved by FDA) | |
| | | /Z1 | Welding adapter for 1-1/2" tri-clamp (Accord with regulation 74-06 of 3A certificate) | * |
| | | /Z2 | Welding adapter for 2" tri-clamp (Accord with regulation 74-06 of 3A certificate) | |
| | Calibration report | /Q1 | Calibration report provided by our company | * |
| | Approvals (multiple) | /I1 | Intrinsic safety certificate, ExialICT4, NEPSI (Please consult engineers for details) | |
| | | /F3 | CE certificate (Please consult engineers for details) | |
| | | /H1 | 3-A certificate (Please consult engineers for details) | * |
| | Wetted parts treatment | /G1 | Ungrease treatment | |
| | | /G2 | Electropolishing treatment | |
| Note1: The process connections accord with regulation 74-06 of 3A certificate | | | | |

Factory settings and parameters

| Item | Menu mark | Factory setting value |
|--------------------|-----------|-------------------------|
| Tag position | None | 0(No specific settings) |
| Analog output type | mA | Liner |
| Display mode | DISP | PV |
| Alarm signal | ALARM | No |

| Item | Menu mark | Factory setting value |
|------------------------|-----------|------------------------------|
| Damping value | DAMP | 0(No specific settings) |
| 4mA Lower range value | LRV | According to the order value |
| 20mA Upper range value | URV | According to the order value |
| Process unit | U | According to the order |

Approvals

Factory certificate

| | |
|---------------------------|---|
| Certificate organization | Intertek |
| Quality management system | ISO9001-2008 |
| Scope of certification | Design and production of pressure transmitter |
| Registration number | 110804039 |

Intrinsic safety certificate

| | |
|--|--|
| Certification organization name | NEPSI |
| License scope | SMP858 series pressure transmitter |
| Explosion-proof mark | ExialICT4 |
| Ambient temperature | -40-+60°C |
| Medium maximum temperature | +120°C |
| Registration number | GYB16.1965X |
| Intrinsically safe parameter description | Maximum input voltage: 28VDC |
| | Maximum input current: 100mA |
| | Maximum input power: 0.7w |
| | Maximum internal equivalent parameters Ci(uF): 0 |
| | Maximum internal equivalent parameters Li(mH): 0 |

CE

| | |
|--------------------------|------------------------------------|
| Certificate organization | ISET |
| License scope | SMP858 series pressure transmitter |
| Mark | CE |
| EMC instruction | 2014/30/EU |
| Standard | EN61326-1: 2013 |
| Registration number | IT051353LG161207 |



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