

INDUSTRIAL PRESSURE MEASUREMENT



GPE Series Pressure Transmitter

- Piezoresistive silicon sensor
- Various types, sanitary type, flat membrane type, high temp type etc, special requirements on request



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range: 0.1MPa~0kPa~10kPa...160MPa
Accuracy : 0.1%FS, 0.25%FS, 0.5%FS
Output signal : 4~20mA(+HART), RS485, I²C, 0~10V
Power supply : 24Vdc standard (12~30Vdc)
Thread size : G1/2, G1/4, 1/2NPT, M20X1.5 etc
Process temperature : -60°C~150°C
Electrical connection: DIN43650, M12, cable leads
Protection : IP65, Optional IP68

PT211 Series Pressure Transducer

- Strain Gauge sensor
- Various types, sanitary type, flat membrane type, high temp type etc, special requirements on request



Specifications

Pressure range: 0~100MPa/ 0~15,000psi
Accuracy : 0.25%FS, 0.5%FS, 1.0%FS
Output signal : 2.0mV/V, 3.0mV/V, 3.33mV/V
Power supply : 6~12Vdc
Thread size : G1/2, G1/4, 1/2NPT, 1/4NPT etc
Process temperature: -40°C~80°C
Electrical connection: 5PIN, 6PIN

GPD300 Series Pressure Transmitter

- Monocrystalline silicon sensor
- Double-wire mode, 4~20mA HART protocol option
- Local adjustment of zero and pressure range



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range: 0kPa~6kPa...40MPa
Accuracy : 0.075%FS, 0.1%FS
Output signal : 4~20mA(+HART)
Power supply : 24Vdc standard (10.5~45Vdc)
Thread size : G1/2, G1/4, 1/2NPT, M20X1.5 etc
Process temperature: -40°C~85°C
Electrical connection: M20X1.5 or NPT1/2
Protection : IP67

GPD500 Series Pressure Transmitter

- LED or LCD display
- Piezoresistive silicon, ceramic capacitive, sapphire etc
- Designed for polluted, humid, flammable and explosive environments



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range: -0.1MPa~0kPa~10kPa...100MPa
Accuracy : 0.1%FS, 0.25%FS, 0.5%FS
Output signal : 4~20mA(+HART), RS485
Power supply : 24Vdc standard (10.5~45Vdc)
Display type : 4-bit LCD or LED
Diaphragm material: 316L, titanium or ceramic
Process temperature: -40°C~85°C
Protection : IP66

INDUSTRIAL PRESSURE MEASUREMENT



GPS2051 Series Pressure Transmitter

- Advanced monocrystalline silicon sensor
- Local zero and pressure range adjustment functions
- Patented double overload protection diaphragm



Specifications

Pressure type : Gauge pressure
Pressure range: 0MPa~10kPa...3MPa
Accuracy : 0.1%FS
Output signal : 4~20mA(+HART)
Power supply : 24Vdc standard(10.5~36Vdc)
Process connection: Flange 304
Process temperature: -40°C~125°C
Electric connection: M20X1.2, NPT1/2
Protection : IP65

GPS3051 Series Pressure Transmitter

- Advanced monocrystalline silicon sensor
- Local zero and pressure range adjustment functions
- Patented double overload protection diaphragm



Specifications

Pressure type : Gauge pressure
Pressure range: 0MPa~10kPa...3MPa
Accuracy : 0.1%FS
Output signal : 4~20mA(+HART)
Power supply : 24Vdc standard(10.5~36Vdc)
Process connection: Flange 316
Process temperature: -40°C~125°C
Electric connection : M20X1.2, NPT1/2
Protection : IP67

GPX700 Series Pressure Transmitter

- Flush membrane structure
- Piezoresistive silicon, ceramic capacitive, sapphire etc
- Designed for pressure vessels, tanks and other special environments



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range: -0.1MPa~0kPa~10kPa...10MPa
Accuracy : 0.1%FS, 0.25%FS, 0.5%FS
Output signal : 4~20mA, RS485, I²C, 0~10V
Power supply : 24Vdc standard(10~30Vdc)
Display type : 4-bit LCD or LED
Diaphragm material: 316L or ceramic
Process temperature: -60°C~150°C
Protection : IP65

GPL Series Wireless Pressure Transmitter

- Supports NB-IoT communication method
- Fast collection speed, 24-bit high accuracy
- Supports local and remote setting of parameters



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range: 10kPa~20kPa...60MPa
Accuracy : 0.5%FS
Output signal : NB-IoT, 4G, LoraWAN
Power supply : Lithium battery(36Ah) or solar
Measuring medium: Fluid compatible with 316L
Process temperature: -20°C~70°C
Protection : IP66, IP67

INDUSTRIAL PRESSURE MEASUREMENT



DPG600 Differential Pressure Transmitter

- MEMS micro pressure core
- Small range, high accuracy
- Optional 4-digit LCD display



Specifications

Pressure type : Differential pressure
Pressure range: 0Pa~100Pa...500Pa...1kPa...100kPa
Accuracy : 0.25%FS, 0.5%FS, 1.0%FS
Output signal : 4~20mA, RS485, I²C, 0~10V
Power supply : 24Vdc standard (10~30Vdc)
Process temperature: -40°C~85°C
Measuring medium : 5kPa: Non-corrosive gas
≥5kPa: Fluid compatible with 304 and 316L
Protection : IP65

DPG800 Differential Pressure Transmitter

- Piezoresistive silicon sensor
- Compact size, easy to install
- Optional 4-digit LCD or LED display



Specifications

Pressure type : Differential pressure
Pressure range: -0.1MPa~0kPa~10kPa...3.5MPa
Accuracy : 0.1%FS, 0.25%FS, 0.5%FS
Output signal : 4~20mA, RS485, I²C, 0~10V
Power supply : 24Vdc standard (10~30Vdc)
Electrical connection: DIN43650, cable, M12
Process connection : G1/2, 1/4NPT Female
Process temperature : -40°C~85°C
Protection : IP65

DPS3051 Differential Pressure Transmitter

- Advanced Monocrystalline Silicon Sensor
- High Static Pressure & Overload Protection
- Designed for high precision pressure, liquid level, density, flow measurement



Specifications

Pressure type : Differential pressure
Pressure range: -0.1MPa~0kPa~6kPa...3MPa
Accuracy : 0.075%FS, 0.1%FS, 0.25%FS
Output signal : 4~20mA+HART
Power supply : 24Vdc standard (12~32Vdc)
Electrical connection: M20X1.5, NPT1/2 Female
Diaphragm material : 316L, Hastelloy C
Media temperature : -40°C~120°C
Protection : IP67

DPS3051F Differential Pressure Transmitter

- Advanced Monocrystalline Silicon Sensor
- Explosion-Proof & Isolation Housing
- High Static Pressure & Overload Protection



Specifications

Pressure type : Differential pressure
Pressure range: 0~10kPa...3MPa
Accuracy : 0.075%FS, 0.1%FS, 0.25%FS
Output signal : 4~20mA+HART
Power supply : 24Vdc standard (10.5~36Vdc)
Electrical connection: M20X1.5, NPT1/2
Diaphragm material : 316L, Hastelloy C, Tantalum
Media temperature : -40°C~85°C
Protection : IP65

INDUSTRIAL PRESSURE MEASUREMENT



GPK100 Series Pressure Switch

- Adjustable response time
- LED for node action, easy to observe
- Piezoresistive silicon pressure sensor



Specifications

Pressure type :Gauge, Absolute, Sealed pressure
Pressure range:-0.1MPa~0kPa~10kPa...100MPa
Accuracy :0.1%FS, 0.25%FS, 0.5%FS
Output signal : Relay, NPN or PNP + 4~20mA
Power supply :24Vdc standard(10~30Vdc)
Process temperature:-40℃~85℃
Measuring medium:Fluid compatible with 304,316L
Protection :IP65

GPK500 Series Pressure Switch

- High precision, fast response time
- Digital display, adjustable freely
- Piezoresistive silicon pressure sensor



Specifications

Pressure type :Gauge, Absolute pressure
Pressure range:-0.1MPa~0kPa~10kPa...100MPa
Accuracy :0.25%FS, 0.5%FS
Output signal : Relay, RS485, 4~20mA
Power supply :24Vdc standard(12~30Vdc)
Measuring medium: Fluid compatible with 304, 316L and titanium alloy
Process temperature:-40℃~85℃
Protection:IP65

GPG500 Series Pressure Gauge

- Battery powered up for 12months, low-power design
- 5 digits LCD showing pressure accurately in real time
- Various pressure units, zero clearing, backlight, on/off functions



Specifications

Pressure type : Gauge, Absolute, Sealed pressure
Pressure range:-100kPa...0~10kPa...160MPa
Accuracy :0.5%FS
Diameter :100mm
Display : 5 digits LCD
Power supply : 2 triple A batteries
Process connection :M20X1.5,NPT1/2,G1/2,G1/4
Connection Material:304SS
Media temperature : -10℃~40℃

GPG600 Series Pressure Gauge

- Mechanical design no power supply
- Good shock-proof and anti-corrosion
- High reliability and good repeatability



Specifications

Pressure range:0~10bar~1500bar
Accuracy : 1.6%FS
Diameter :100mm
Configuration : Bourdon tube
Power supply :24Vdc standard(10.5~36Vdc)
Over pressure :150%FS
Process Connection:M20X1.5,M18X1.5 G3/4 etc
Max diaphragm temperature: 120℃

MELT PRESSURE MEASUREMENT



MPT Series Melt Pressure Transducer

- General type
- Temperature compensation
- Optional safe substance filled



Specifications

Pressure range :0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS, $\pm 0.25\%$ FS
Output signal : 3.33mV/V,4~20mA,0~10V
Power supply :6~12Vdc &12~36Vdc
Thread size :1/2-20UNF,M14X1.5,M18X1.5
Process temperature: Max.400°C or 550°C
Electrical connection :6PIN
Calibration : 80%FS

HPT Series Melt Pressure Transducer

- Advanced type
- Optional safe substance filled
- External and optional magnetic auto-zero



Specifications

Pressure range:0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS, $\pm 0.25\%$ FS
Output signal : 3.33mV/V,4~20mA,0~10V
Power supply :6~12Vdc &12~36Vdc
Autozero : External or magnetic
Thread size :1/2-20UNF,M14X1.5,M18X1.5
Process temperature: Max.400°C or 550°C
Electrical connection :6PIN
Calibration : 80%FS

RPT Series Melt Pressure Transmitter

- Safety relay type
- Autozero function on board / external option
- Safety relay output



Specifications

Pressure range:0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS, $\pm 0.25\%$ FS
Output signal : 3.33mV/V,4~20mA,0~10V
Power supply :6~12Vdc &12~36Vdc
Thread size :1/2-20UNF, M18X1.5 etc
Process temperature: Max.400°C or 550°C
Electrical connection :6PIN
Calibration : 80%FS

XPT Series Melt Pressure Transmitter

- Diaphragm coating
- Explosion proof flange installation
- 4~20mA+HART output



Specifications

Pressure range:0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS, $\pm 0.25\%$ FS
Output signal : 4~20mA + HART
Power supply :12~36Vdc
Autozero : External and magnetic
Thread size :1/2-20UNF, M18X1.5 etc
Process temperature: Max.400°C
Electrical connection:1/2NPT cable
Calibration: 80%FS

MELT PRESSURE MEASUREMENT



MPG Melt Pressure Gauge

- Direct, local readings
- No power required
- Measure/Display pressure at-line



Specifications

Pressure range : 0~25MPa, 40MPa, 70MPa
Accuracy : $\pm 0.5\%$ FS, $\pm 1.0\%$ FS, 2.5% FS
Output signal : 2.0mV/V, 4~20mA, 0~10V
Power supply : 6~12Vdc & 12~36Vdc
Thread size : 1/2-20UNF, M14X1.5, M22X1.5
Process temperature : Max. 400°C
Temperature type : J, K, E, PT100

DPG Digital Pressure Gauge

- Direct, local readings with 4 digits LED display
- 4~20mA+optional 2 ways relay output
- Measure/Display pressure at-line



Specifications

Pressure range : 0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS, $\pm 0.25\%$ FS
Output signal : 3.33mV/V, 4~20mA, 0~10V
Power supply : 24Vdc, 220VAC
Thread size : 1/2-20UNF, M14X1.5, M18X1.5
Process temperature : Max. 400°C
Temperature type : J, K, E, PT100

XPG Explosion-proof Melt Pressure Gauge

- Full stainless steel material
- Explosion-proof design
- 4~20mA output+HART protocol



Specifications

Pressure range : 0-17.5 to 2000bar
Accuracy : $\pm 0.5\%$ FS
Output signal : 4~20mA+HART
Power supply : 12~36Vdc
Thread size : 1/2-20UNF, M14X1.5, M22X1.5
Process temperature : Max. 400°C
Temperature type : J, K, E, PT100

RP series Rupture disk

- Wide burst pressure ranges
- Various thread sizes



Specifications

Burst range : 0-15,000psi
Accuracy : $\pm 5\%$ FS
Thread size : 1/2-20UNF, M18X1.5, customized
Process temperature : Max. 400°C

TEMPERATURE MEASUREMENT



MT Series Melt Temperature Sensor

- Tip 0~30mm immersion lengths
- Flush, Conical, diamond types
- Ceramic insulated sensor tip available



Specifications

Accuracy : $\pm 0.5\%FS, \pm 0.25\%FS$

Tip length : 0~30mm

Tip type : Conical or Diamond style

Thread size : 1/2-20UNF, M14X1.5, M18X1.5

Temperature range : 0~400°C

Temperature type : Type J, K, E, PT100

Electric connection : cable, 2pin, 3pin

WRNK Series Armored Temperature Sensor

- Durable Armored Design
- Vibration & Shock Resistance
- Thread & flange installation



Specifications

Temperature : -200~850°C

Accuracy : A, B, C

Diameter : 2, 3, 4, 5, 6, 8, 10 to 20mm etc

Temperature type : J, K, E, T, B, S, R, PT100 etc

Length above thread : 0~200mm

Length under thread : 50~2000mm

Thread size : M8X1.25, M10X1.5, G1/2 etc

Installation type : Thread, flange (fixed & unfixed)

Output signal : 4~20mA, 0~10V, 0~5V Optional

WRNT202 Series Temperature Sensor

- Fast response & accurate measurement
- Various temperature ranges
- Various electrical connection types



Specifications

Temperature : RTD -200°C to 850°C
Thermocouple -270°C to 1820°C

Accuracy : A, B, C, 1/3B

Thread size : M8X1.25, M10X1.5, G1/2 etc

Diameter : 2, 3, 4, 5, 6, 8, 10 to 20mm etc

Measuring tip length : 10~2000mm

Temperature type : Type J, K, E, PT100

Adaptor material : Cooper

Terminal type : U-type, pin terminal,
Aviation plug

WRNT203 Series Temperature Sensor

- Fast response & accurate measurement
- Various temperature ranges
- Various electrical connection types



Specifications

Temperature : RTD -200°C to 850°C
Thermocouple -270°C to 1820°C

Accuracy : A, B, C, 1/3B

Thread size : M8X1.25, M10X1.5, G1/2 etc

Diameter : 2, 3, 4, 5, 6, 8, 10 to 20mm etc

Measuring tip length : 10~2000mm

Temperature type : Type J, K, E, PT100

Terminal type : U-type, pin terminal,
Aviation plug

TEMPERATURE MEASUREMENT



WRDZ Series Temperature Transmitter

- Integrated structure
- High strength, high pressure resistance
- Various threads and electrical connection available



Specifications

Temperature: $-50\sim 250^{\circ}\text{C}$
Accuracy : 0.1%FS, 0.25%FS, 0.5%FS
Diameter : 8mm, others on request
Power supply: 12~30VDC
Temperature type: J,K,E,T,B,S,R,PT100 etc
Thread size : M8X1.25, M10X1.5, G1/2 etc
Electrical connection: DIN43650, cable
Output signal : 4~20mA, 0~10V, 0~5V Optional

WRDX Series Temperature Transmitter

- Suitable for harsh environments
- Explosion-proof design
- 4~20mA+HART, 0~10V, RS485 outputs



Specifications

Temperature : $-200\sim 500^{\circ}\text{C}$
Accuracy : 0.2%FS
Power supply: 10~30VDC
Diameter : 8, 10, 12, 16mm, others on request
Temperature type: J,K,E,T,B,S,R,PT100 etc
Length above thread: 0~200mm
Length under thread: 50~2000mm
Thread size : M8X1.25, M10X1.5, G1/2 etc
Installation type: Thread, flange(fixed & unfixed)
Output signal : 4~20mA(+HART), 0~10V, RS485

WRNT100 Series Thermocouple

- Fast response & accurate measurement
- Various temperature ranges
- Various electrical connection types



Specifications

Temperature: RTD -200°C to 850°C
Thermocouple -270°C to 1820°C
Accuracy : A, B, C, 1/3B
Diameter : 2, 3, 4, 5, 6, 8, 10 to 20mm etc
Measuring tip length: 10~2000mm
Cable length : 0.5m, 1, 2, 3...
Temperature type : Type J, K, E, PT100
Terminal type : U-type, pin terminal, Aviation plug

WRDL100 Wireless Temperature Transmitter

- NPN/PNP compatibility
- OLED display
- Adjustable response time



Specifications

Temperature: $-50\sim 450^{\circ}\text{C}$
Accuracy : 0.25%FS, 0.5%FS
Diameter : 8mm, others on request
Power supply: Lithium battery 3.6VDC
Temperature type: J,K,E,T,B,S,R,PT100 etc
Thread size : M20X1.5, G1/2, G1/4, 1/4NPT
Electrical connection: M12X1
Output signal : LoraWAN, NB-IoT, 4G

DISPLACEMENT MEASUREMENT



LTC Series Rod Type Position Sensor

- Excellent linearity
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :75mm~1250mm
Accuracy : $\pm 0.05\%$ FS
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Max. working speed: 10m/s
Electrical connection :DIN43650
Process temperature: -60°C-150°C
Protection :IP67

LTF Series Position Sensor

- Rodless design
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :50mm~1250mm
Accuracy : $\pm 0.05\%$ FS
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Max. working speed: 10m/s
Electrical connection :DIN43650
Process temperature: -60°C-150°C
Protection :IP67

LTM Series Position Sensor

- Excellent linearity
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :10mm~300mm
Accuracy : $\pm 0.05\%$ FS
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Max. working speed: 10m/s
Electrical connection :Cable leads
Process temperature: -60°C-150°C
Protection :IP67

LTR Series Spring Loaded Position Sensor

- Internal and external return spring
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :5mm~100mm
Accuracy : $\pm 0.05\%$ FS
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Rob diameter: 5mm
Max. working speed: 10m/s
Electrical connection:Cable leads
Process temperature: -60°C-150°C
Protection :IP67

DISPLACEMENT MEASUREMENT



LPZ Series Position Sensor

- 12.7mm cylindrical housing
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :10mm~500mm
Accuracy : $\pm 0.05\%$ FS
Fixing : Brackets, ball-joints, flange
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Max. working speed: 10m/s
Electrical connection: Cable leads
Process temperature: -40°C-80°C
Rod diameter : 4mm
Protection :IP65

LPM Series Position Sensor

- 18mm cylindrical housing
- Resolution greater than 0.01mm
- Optional 4~20mA and 0~10V signal converter



Specifications

Stroke :10mm~600mm
Accuracy : $\pm 0.05\%$ FS
Fixing : Ball-joints both ends
Power supply: 15~30VDC
Output signal: Resistance, 4~20mA, 0~10V
Max. working speed: 10m/s
Electrical connection: Cable leads
Process temperature: -40°C-80°C
Rod diameter : 5mm
Protection :IP65

WPR Series Wire Position Sensor

- Wire displacement transducer
- Linear accuracy up to 0.05%-0.08%
- Optional 4~20mA and 0~10V outputs



Specifications

Stroke :10mm~100,000mm
Accuracy : $\pm 0.25\%$ FS, 0.1%FS
Power supply: 13~30VDC
Max. working speed: 10m/s
Electrical connection: Cable leads
Process temperature: -40°C-80°C
Output signal :0~5/10k, 0~10V,
4~20mA, Pulse, RS485
Protection :IP65

VTR LVDT Spring loaded Position Sensor

- Slider Magnetostrictive
- Input protection up to 36Vdc
- Direct and reverse analog output for displacement



Specifications

Stroke :2.5mm~100mm
Accuracy : $\pm 0.25\%$ FS
Diameter :20mm
Power supply : 9~28Vdc
Max. working speed: 10m/s
Electrical connection: Cable leads
Process temperature: -25°C-85°C
Output signal : 0~10V, 4~20mA, 0~5V
Protection :IP65

DISPLACEMENT MEASUREMENT



MTRS Series Magnetostrictive Sensor

- Non-contact measurement
- Multiple output options: Analog, SSI, Modbus
- Robust stainless steel, fully enclosed design



Specifications

Stroke :50mm~7000mm
Non-linearity: $< \pm 0.03\%$ F.S. (min. $\pm 50 \mu\text{m}$)
Power supply: 24VDC
Output signal: 4 ~20mA, 20~4mA, 0~10V, 0~5V, 5~0V, SSI, Modbus RTU
Thread size: M18×1.5, M20×1.5, 3/4-16 UNF
Material : Housing 304SS, rod 304/316LSS
Magnetic type: Close and open magnetic ring
Electrical connection: Cable or 6pin connector
Process temperature: -40℃-85℃
Protection :IP68

MTEL Magnetostrictive Position Sensor

- Non-contact measurement
- Multiple output options: Analog, SSI
- Easy installation with external mounting



Specifications

Stroke :50mm~4000mm
Non-linearity: $< \pm 0.03\%$ F.S. (min. $\pm 100 \mu\text{m}$)
Power supply: 24VDC
Output signal: 4 ~20mA, 20~4mA, 0~10V, 0~5V, 5~0V, SSI
Magnetic type: Slider magnet & float magnet
Electrical connection: Cable or 6pin connector
Process temperature: -40℃-85℃
Protection :IP65

MTRH Magnetostrictive Position Sensor

- Non-contact measurement
- Multiple output options: Analog, SSI
- Easy installation with external mounting



Specifications

Stroke :50mm~7000mm
Non-linearity: $< \pm 0.03\%$ F.S. (min. $\pm 50 \mu\text{m}$)
Power supply: 24VDC
Output signal: 4 ~20mA, 20~4mA, 0~10V, 0~5V, 5~0V, SSI
Thread size: M18×1.5, M20×1.5, 3/4-16 UNF
Material : Aluminum alloy, rod 304
Magnetic type: Magnetic ring & cursor
Electrical connection: Cable or 6pin connector
Process temperature: -40℃-85℃
Protection :IP67

MTEP Magnetostrictive Position Sensor

- Non-contact measurement
- Absolute output – no need for re-zeroing
- Easy installation with external mounting



Specifications

Stroke :50mm~4000mm
Non-linearity: $< \pm 0.03\%$ F.S. (min. $\pm 100 \mu\text{m}$)
Power supply: 24VDC
Output signal: 4 ~20mA, 20~4mA, 0~5V, 0~10V, 5~0V, SSI
Magnetic type: Slider magnet & float magnet
Electrical connection: DIN43650, cable
Process temperature: -40℃-85℃
Protection :IP65

LEVEL MEASUREMENT



LSG300 Submersible Level Transmitter

- Piezoresistive diffused silicon sensor
- Application for static pressure level, liquid irrigation, sewage, industrial water, well, river, seawater, lake, etc



Specifications

Range : 0~1m...5m...20mH₂O
Accuracy : $\pm 0.5\%$ FS, $\pm 1.0\%$ FS
Output signal : 4~20mA+HART, RS485
Power supply : 12~36Vdc
Medium : Media compatible with SS 304
Operating temp.: -20°C~85°C
Protection : IP68

LSG400 Metal Armored Level Transmitter

- All-metal armored with flange installation
- Piezoresistive diffused silicon sensor
- Application for hydrostatic liquid level, sewage, industrial water, wells, rivers, seawater, lake, etc



Specifications

Range : 0~1m...10mH₂O
Accuracy : $\pm 0.5\%$ FS
Output signal : 4~20mA
Power supply : 12~36Vdc
Medium : Media compatible with SS
Operating temp.: -20°C~85°C
Protection : IP68

LSG500 Magnetic Floating Level Transmitter

- All-metal armored structure
- Wetted parts full stainless steel
- Adjustable zero point and insertion depth



Specifications

Range : 0~0.5m...2.5m
Accuracy : ± 5 mm, ± 10 mm
Output signal : 4~20mA, 0~10V, RS485
Power supply : 12~30Vdc
Medium : Media compatible with SS
Operating temp.: -40°C~100°C
Protection : IP68

LSF Series Magnetic Flap Level Gauge

- On-site display of readings
- Wide measurement range
- Easy installation



Specifications

Range : 0-18 meters
Accuracy : ± 10 mm
Pressure : <25MPa
Power supply : 24Vdc
Signal output : 4~20mA
Media temperature : -40~350°C
Process connection : Thread, flange
Electrical Interface : M20X1.5

LEVEL MEASUREMENT



LSW Wireless Level Transmitter

- Piezoresistive diffused silicon sensor
- Application for static pressure level, liquid irrigation, sewage, industrial water, well, river, seawater, lake, etc



Specifications

Range : 0~100m
Accuracy : $\pm 0.25\%FS$, $\pm 0.5\%FS$
Output signal : LoraWAN, NB-LoT, 4G
Power supply : Lithium battery 3.6V, Solar
Medium : Media compatible with 304, 316L
Installation : Thread, flange
Operating temp. : -30°C~70°C
Protection : IP68

LSK200 Series Floating Level Switch

- Stainless steel material
- Easy installation
- Optional floating ball quantities



Specifications

Max contact rating: 10VA, 50VA
Max switching volt.: 100VAC/DC, 220VAC/DC
Max switching current: 0.5A, 1.5A
Max breakdown volt.: 100VAC/DC, 300VAC/DC
Max contact resistance: 100M Ω
Working temperature: -30°C ~ 120°C
Material: SUS304
Floating ball diameter: 28mm
Thread size: G1

LSK300 Series Tuning Fork Level Switch

- Capable of detecting low-density solids
- Suitable for powders, granules, liquids



Specifications

Fork length : 40mm, 100mm, 170mm
Power supply : 18~30VDC, 85~250VAC
Signal output : Relay DPDT SPDT, NPN & PNP
Working pressure : -0.1MPa-2.5MPa
Electrical connection : DIN43650, M12, Wring box
Mechanical connection : Flange, thread, clamp
Working temperature : -20°C ~ 100°C
Wetted material : 304, 316L
Min. induction density : Powder: 0.23g/cm³,
Liquid 0.8g/cm³

LSK400 Series Rotary Paddle Level Switch

- Mechanical and electronic type
- Stable and adjustable torque for reliable operation



Specifications

Range : 95~4000mm
Power supply : 24VDC, 220VAC, 110VAC
Signal output : 5A/250VAC SPDT
Blade speed : 1RPM
Blade type : A/B/C/D/E/F/G
Mechanical connection : Flange, thread
Working temperature : -20°C ~ 400°C
Wetted material : 304, 316L
Min. induction density : 0.4g/cm³

LEVEL MEASUREMENT



LSK500 Capacitive Level Switch

- Suitable for solids, liquids, and slurry media
- Reliable detection, unaffected by foam or bubbles



Specifications

Medium: Liquid, viscous media, powder, granules
Power supply: 12~32VDC
Output signal: PNP, NPN
Process connection: Thread G1/2, Clamp 50.5
Electrical connection: Cable or M12 connector
Medium temperature: -10°C ~ 100°C
Wetted material: PEEK+ SS304, PEEK+316L
Protection: IP67

LSK600 Capacitive Level Switch

- No moving parts, maintenance free
- Application: Suitable for all kinds of materials



Specifications

Types: Standard, Split, Steel rope, flat type
Probe material: 304/316L+PTFE
Power supply: 24VDC, 220VAC
Output signal: Relay 5A/250VAC DPDT
Process connection: Thread, flange, Clamp
Electrical connection: M20x1.5
Medium temperature: -20°C ~ 235°C
Process pressure: :2MPa

LSR06 Radar Level Transmitter

- Protection IP65/IP67
- Application: Temperature-resistant, pressure-resistant, and mildly corrosive liquids.



Specifications

Range: :30 meters
Accuracy: :± 3mm
Power supply: :16~26Vdc
Signal output: 4~20mA/HART, RS485/Modbus
Process connection: Thread, flange
Medium temperature: -40°C ~ 250°C
Process pressure: : -0.1 ~ 4MPa
Frequency range: : 26GHz

LSR07 Radar Level Transmitter

- Protection IP67
- Application: Hygienic liquid storage tank, highly corrosive tank



Specifications

Range: :80 meters
Accuracy: :± 3mm
Power supply: :16~26Vdc
Signal output: 4~20mA/HART, RS485/Modbus
Process connection: Flange
Medium temperature: -40°C ~ 130°C
Process pressure: : -0.1 ~ 0.1MPa
Frequency range: : 80GHz /120GHz

LEVEL MEASUREMENT



LSR08 Radar Level Transmitter

- Protection IP67
- Application: Liquid, powder and complex environment



Specifications

Range : 30 meters
Accuracy : $\pm 10\text{mm}$
Power supply: 16~26Vdc
Output signal: 4~20mA/HART, RS485/Modbus
Process connection: Thread, flange
Medium temperature: $-40^{\circ}\text{C} \sim 250^{\circ}\text{C}$
Process pressure : $-0.1 \sim 4\text{MPa}$
Frequency range : 80GHz

LSU200 Ultrasonic Level Transmitter

- Non-contact
- Not effected by material properties, such as pressure environments, viscosity and specific gravity



Specifications

Range : 5meters, 10 meters, 15 meters
Accuracy: 0.5%FS
Blind zone: $\leq 0.35\text{m}$
Beam angle: 8° (range 5m), 10° (range 10m)
Display : OLED display
Power supply: 14~28VDC
Signal output: 4~20mA, RS485
Process connection: Thread, flange
Working temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Measure type : Level / Distance

LSU300 Ultrasonic Level Transmitter

- Remote type with touch buttons
- Fault self-diagnosis technology
- Application: Fire water tank, well, river, sewage etc



Specifications

Range : 5meters, 10 meters
Accuracy : 0.5%FS
Blind zone: $\leq 0.35\text{m}$
Beam angle: 8° (range 5m), 10° (range 10m)
Display : OLED display
Power supply: 14~28VDC
Signal output: 4~20mA, Rs485
Relay output: 2 relays, 4 relays

LSW Wireless Level Transmitter

- Lithium battery or solar powered
- Wireless data transmission



Specifications

Range : 0-100 meters
Accuracy : $\pm 0.25\%$, $\pm 0.5\%$
Power supply: Lithium battery, solar power
Output signal: NB-IoT, 4G, LoraWAN
Process connection: Thread, flange
Medium temperature: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
Overload: 150%
Protection: IP68

FLOW MEASUREMENT



FME100 Electromagnetic Flowmeter

- Cold/heat measurement (electromagnetic calorimeter)
- Flow measurements are unaffected by changes in fluid density, viscosity, temperature, pressure or conductivity



Specifications

Nominal Diameter: DN6~DN3000

Accuracy: 0.5%FS, 0.2%FS

Lining material: PTFE, PU, CR, PFA, F46, IR

Power supply: 85V~264V AC, 18~30V DC

Electrode material: 316L, Hastelloy, Ti, Ta, Pt

Electrical connection: M20×1.5, G1/2, NPT1/2

Max medium temperature: 70°C

Output Signal: 4-20mA, Pulse, Rs485,
RS232c, HART, Profibus-PA

FME200 Divided Electromagnetic Flowmeter

- Cold/heat measurement (electromagnetic calorimeter)
- Flow measurements are unaffected by changes in fluid density, viscosity, temperature, pressure or conductivity



Specifications

Nominal Diameter: DN6~DN3000

Accuracy: 0.5%FS, 0.2%FS

Lining material: PTFE, PU, CR, PFA, F46, IR

Power supply: 85V~264V AC, 18~30V DC

Electrode material: 316L, Hastelloy, Ti, Ta, Pt

Electrical connection: M20×1.5, G1/2, NPT1/2

Max medium temperature: 80°C, 100°C, 150°C

Output Signal: 4-20mA, Pulse, Rs485,
RS232c, HART, Profibus-PA

FME300 Insertion Electromagnetic Flowmeter

- Large Pipe Compatibility
- Versatility and Interchangeability



Specifications

Nominal Diameter: DN200~DN3000

Accuracy: 2.5%FS

Measuring tube material: ABS, Carbon steel, 304

Power supply: 85V~264V AC, 18~30V DC

Electrode material: 316L, Hastelloy, Ti, Ta, Pt

Electrical connection: M20×1.5, G1/2, NPT1/2

Max medium temperature: 60°C

Output Signal: 4-20mA, Pulse, Rs485,
RS232c, HART, Profibus-PA

Protection: IP65, IP68

FMR Series Metal Rotameter

- Vertical, horizontal, corner type installation
- Optional on-site instant or cumulative flow display
- Stainless steel 304 material



Specifications

Nominal Diameter : DN15~DN150

Accuracy: ±1%R, ±1.5%R

Output Signal: Pointer type: No output
Digital type: 4 ~ 20mA/HART

Connection method: Flange, Thread

Medium temp.: Standard : -30~120°C

Anti-corrosive type: 0~85°C

High temp type: up to 350°C

FLOW MEASUREMENT



FMV100 Vortex Flowmeter

- Temperature and pressure compensation
- Designed for liquids, gases, and steam
- With a design free of moving components



Specifications

Nominal Diameter: DN15~DN300

Accuracy: $\pm 1\%R$, $\pm 1.5\%R$

Medium : Gas, liquid, steam

Power supply: +12VDC, +24VDC, 3.6V battery

Output Signal: Square wave pulse, 4 ~ 20mA
high level $\geq 5V$, low level $\leq 1V$

Medium temp.: Piezoelectric type : -40~350°C
Capacitive type: -40~400°C

FMV200 Insertion Vortex Flowmeter

- Large-Diameter Pipe Compatibility
- Versatile and Interchangeable
- Designed for liquid, gas and steam



Specifications

Nominal Diameter: DN150~DN1000

Accuracy: $\pm 2.5\%R$, $\pm 2.5\%FS$

Medium : Gas, liquid, steam

Power supply: +12VDC, +24VDC, 3.6V battery

Output Signal: Square wave pulse, 4 ~ 20mA
high level $\geq 5V$, low level $\leq 1V$

Medium temp.: Piezoelectric type : -40~350°C
Capacitive type: -40~400°C

FMTL Series Liquid Turbine Flowmeter

- No impurities, low viscosity, no strong corrosive liquid
- Available with hygienic type, designed for conductive and non-conductive, non-corrosive liquids



Specifications

Nominal Diameter: DN4~DN200

Accuracy : $\pm 1.0\%R$, $\pm 0.5\%R$, $\pm 0.2\%R$

Output Signal : 4-20mA, Pulse

Power supply: +12VDC, +24VDC, 3.2V battery

Connection method: Flange, thread, Clamp
Hygienic, Insert

Instrument material: 304, 316L

Medium temperature: -20~120°C

Signal line interface: Internal thread M20x1.5

FMTG Series Gas Turbine Flowmeter

- Capable of measuring temperature, pressure and flow
- Optional oil injection pump to protect the impeller and extend the flow meter's service life



Specifications

Nominal Diameter: DN15~DN300

Accuracy: $\pm 1.0\%R$, $\pm 1.5\%R$

Connection: Flange, thread, Clamp, Hygienic

Power supply: +12VDC, +24VDC, 3.2V battery

Output Signal: 4-20mA, Pulse

Communication: RS485

Instrument material: 316L, 304

Electric interface: Internal thread M20x1.5

Medium temperature: -20°C~120°C

FLOW MEASUREMENT

DWEL

FMU120 Wall Mount Ultrasonic Flowmeter

- Non-intrusive measurement
- Suitable for water, seawater, sewage, alcohol, oil and other liquids that conduct ultrasonic waves



Specifications

Nominal Diameter: DN15~DN6000

Accuracy: $\pm 2.5\%R, \pm 2.5\%FS$

Installation mode: Clamp on/ Insertion/ Inline

Power supply: 8~36VDC, 85~264VAC

Input Signal: Two Pt100, 3 ways 4-20mA optional

Output Signal: Pulse, 4 ~ 20mA, RS485, Relay

Temperature: -30~90°C

Communication: MODBUS

Protection: IP65

FMU130 Wall Mount Ultrasonic Flowmeter

- Non-intrusive measurement
- Suitable for water, seawater, sewage, alcohol, oil and other liquids that conduct ultrasonic waves



Specifications

Nominal Diameter: DN15~DN6000

Accuracy: $\pm 2.5\%R, \pm 2.5\%FS$

Installation mode: Clamp on/ Insertion/ Inline

Power supply: 8~36VDC, 85~264VAC

Input Signal: Two Pt100, 3 ways 4-20mA optional

Output Signal: Pulse, 4 ~ 20mA, RS485, Relay

Temperature: -30~90°C

Communication: MODBUS

Protection: IP65

FMU170 Module Ultrasonic Flowmeter

- Non-intrusive measurement
- Suitable for water, seawater, sewage, alcohol, oil and other liquids that conduct ultrasonic waves



Specifications

Nominal Diameter: DN15~DN6000

Accuracy: $\pm 2.5\%R, \pm 2.5\%FS$

Installation mode: Clamp on/ Insertion/ Inline

Power supply: 8~36VDC, 85~264VAC

Input Signal: Two Pt100, 3 ways 4-20mA optional

Output Signal: Pulse, 4 ~ 20mA, RS485, Relay

Temperature: -30~90°C

Communication: MODBUS

Protection: IP65

FMU180 Fix Mount Ultrasonic Flowmeter

- Non-intrusive measurement
- Suitable for water, seawater, sewage, alcohol, oil and other liquids that conduct ultrasonic waves



Specifications

Nominal Diameter: DN15~DN6000

Accuracy: $\pm 2.5\%R, \pm 2.5\%FS$

Installation mode: Clamp on/ Insertion/ Inline

Power supply: 8~36VDC, 85~264VAC

Input Signal: Two Pt100, 3 ways 4-20mA optional

Output Signal: Pulse, 4 ~ 20mA, RS485, Relay

Temperature: -30~90°C

Communication: MODBUS

Protection: IP65