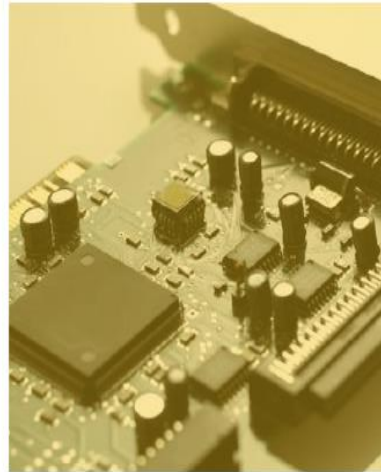


KACISE Pressure Series Catalogue



XIAN KACISE OPTRONICS TECH CO., LTD.
西安凯兴物联股份有限公司

Pressure Transmitter

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KPS100 General Pressure Transmitter

Introduction

KPS100 pressure transmitter uses diffused silicon pressure core as the sensing element, selects the all-digital circuit, the overall performance is stable and reliable, can carry on the long-distance signal transmission. All stainless-steel structure, easy to install. Has the extremely high anti-interference and the anti-impact ability. Widely used in pneumatic, hydraulic, water supply, fire protection, environmental protection, medical and other industries.

Feature

- All stainless-steel construction
- 316L stainless steel diaphragm
- High precision, long - term stability
- Strong anti - interference, anti - vibration, anti - impact
- Protection level IP65
- Wide range, can measure absolute pressure, gauge pressure and seal gauge pressure



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5% (default), 0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12-30VDC	Wiring Way	A variety of optional
Protection	IP65	Relative Humidity	0~90%RH
Environment temperature	-30~80°C	Medium temperature	-40~150°C

Order Information

KPS100	Universal Pressure Transmitter		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
	Code	Signal output	
	I	4~20mA	
	V	0V~5V/10V	
	R	RS485	
	Code	Electric connection	
	H	Hirsman	
	M	M12	
	P	PG7 Cable	
	Code	Thread connection	
	M20	M20×1.5	
	G14	G1/4	
	G12	G1/2	

KPS101 Compact Pressure Transmitter

Introduction

KPS101 pressure transmitter uses diffused silicon pressure core as the sensing element, selects the all-digital circuit. All stainless-steel structure, easy to install. Has the extremely high anti-interference and the anti-impact ability. Widely used in pneumatic, hydraulic, water supply, fire protection, environmental protection, medical and other industries.

Feature

- Compact structure and shape
- Connecting medium material is stainless steel, anti-corrosive
- Suitable for normal temperature medium test.
- Shock resistance



Parameter

Pressure range	-0.1...0~60Mpa	Accuracy	≤0.5%F.S
Stability	≤0.2%/year	Overload	≤200%F.S
Power Supply	12-30VDC	Wiring Way	Hirsman, PG7
Protection	IP65	Relative Humidity	0~90%RH
Environment temperature	-30~80°C	Medium temperature	-40~85°C

Order Information

KPS101	Compact pressure transmitter			
	Range	Pressure range: -0.1MPa...0~60MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Signal output	
		I	4mA~20mA	
		V	0V~5V/10V	
		Code	Electric connection	
		H	Hirsman	
		P	PG7 Cable	
			Code	Thread connection
			G14	G1/4
			N12	G1/2

KPG102 Industrial Pressure Transmitter

Introduction

KPG102 with industrial 2088 anti-explosive shell, adopts high quality diffused silicon pressure core as the sensing element. With the compensation of digital circuit, the display and output is stable. It is suitable for bad use environment on petroleum and chemical industries.

Feature

- Wide range, suitable for absolute pressure, gauge pressure and seal gauge pressure
- High protection level, high accuracy, high stable and reliability
- Digit pressure display, LED/LCD optional
- Strong anti-interference, anti-vibration, anti-shock,
- Shell protection IP65
- 2088 industrial anti-explosive shell and Intrinsic safety explosion protection



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤150%F. S
Power Supply	12-30VDC	Wiring Way	4-20mA & RS485
Protection	IP65	Relative Humidity	0~90%RH
Display	LED/ 5-digit LCD	Cable connection	Terminals
Environment temperature	-30~80°C	Medium temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG102	Industrial Pressure Transmitter		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Display
		W	No display
		X	LED
		Y	LCD
		Code	Output Signal
		I	4-20mA
		R	RS485
		H	Hart
		Code	Thread connection
		G12	G1/2
		M20	M20*1.5

KPG103 Industrial Pressure Transmitter

Introduction

KPG103 with industrial 3051 anti-explosive shell, adopts high quality diffused silicon pressure core as the sensing element. Being processed by a special integrated circuit, output 4-20mA current signals and MODBUS RS485. The product has characteristics of high precision, good stability, long life, high reliability, easy installation. Suitable for pipeline pressure monitoring in petroleum, chemical industry, etc.

Feature

- 4-20mA & RS485 output or 4-20mA output
- Several range unit optional, the unit can be changed at site
- LCD display, current, pressure, and percentage optional
- Main screen display current, pressure, percentage optional
- Supports quantum migration, scaling
- 3051 industrial anti-explosive shell



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤150%F. S
Power Supply	12-30VDC	Wiring Way	4-20mA & RS485
Protection	IP65	Relative Humidity	0~90%RH
Display	5-digit LCD	Cable Connection	Terminals
Environment temperature	-30~80°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG103	Industrial Pressure Transmitter			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
	Code	Output Signal		
		I	4-20mA	
		R	RS485&4-20mA	
		Code	Thread connection	
			G12	G1/2
			G14	G1/4
			M20	M20*1.5

KPG104 Digital Pressure Transmitter

Introduction

KPG104 is intelligent digital display pressure gauge is flexible, simple to operate, easy to debug, safe and reliable. Widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries, the pressure of the fluid medium measured and displayed.

Feature

- 4-digit LED display, high resolution, no value of error
- stainless steel material
- 4-20mA or RS485 output
- ϕ 100 diameter
- Parameter correction function, zero and error value can be corrected on site



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	24VDC/220VAC	Display	0.56' LED
Display Range	-1999~9999	Relative Humidity	0~90%RH
Environment Temperature	-30~80°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG104	Digital Pressure Transmitter		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Installation way
		J	Redial direction installation
		Code	Output Signal
		I	4-20mA
		R	RS485
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPG104Z Axial Direction Digital Display Pressure Transmitter

Introduction

KPG104Z intelligent digital display pressure transmitter is flexible to use, simple to operate, easy to debug, safe and reliable. It can be widely used in hydropower, tap water, petroleum, chemical industry, machinery, Hydraulic and other industries. It could measure and display the pressure of the fluid medium.

Feature

- 4-digit LED display, high resolution, no value of error
- stainless steel material
- 4-20mA or RS485 output
- ϕ 100 diameter
- Parameter correction function, zero and error value can be corrected on site



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F. S
Stability	≤0.1%/year	Overload	≤200%F. S
Power Supply	24VDC/220VAC	Display Method	0.56' LED
Display Range	-1999~9999	Relative Humidity	0~90%RH
Environment Temperature	-30~80°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG104Z	Digital Pressure Transmitter			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Installation way	
		J	Axial direction installation	
		Code	Output Signal	
		I	4-20mA	
		R	RS485	
		Code	Thread connection	
		G12	G1/2	
		G14	G1/4	
		M20	M20*1.5	

KPG106 Axial Direction Digital Display Pressure Transmitter

Introduction

KPG106 intelligent digital display pressure transmitter is flexible to use, simple to operate, easy to debug, safe and reliable. It can be widely used in hydropower, tap water, petroleum, chemical industry, machinery, Hydraulic and other industries. It could measure and display the pressure of the fluid medium.

Feature

- 4-digit LED or 5-digit LCD display, high resolution, no value of error
- stainless steel material
- 4-20mA or RS485 output
- ϕ 60 diameter
- Parameter correction function, zero and error value can be corrected on site



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	24VDC/220VAC	Display Method	LED/LCD
Display Range	-1999~9999	Relative Humidity	0~90%RH
Environment Temperature	-30~80°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG106	Digital Pressure Transmitter			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Installation way	
		J	Redial direction installation	
		Code	Output Signal	
		I	4-20mA	
		R	RS485	
		Code	Thread connection	
		G12	G1/2	
		G14	G1/4	
		M20	M20*1.5	

KPG108 Digital Display Battery Powered Pressure Gauge

Introduction

KPG108 high precision intelligent digital pressure gauge, battery powered, had good seismic performance. It can measure gas, liquid and other media. It is suitable for pressure measurement of portable equipment, measuring instrument and indoor pipe.

Feature

- 4-digit LCD display, high resolution, regardless of value error
- Peak holding function, recording the max. pressure value during measurement
- Dynamic display of pressure percentage (progress bar display)
- 5 engineering units to choose: PSI, Bar, kPa, MPa, kg/cm
- Select the automatic shutdown function for 1-15min
- Micro power consumption, working in power saving mode for more than 2 years, continuous working for 2000 hours
- Parameter correction function, correct zero, error value
- Sampling rate: 4 times per second
- Suitable for pressure measurement of gas and liquid compatible with stainless steel



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	9VDC(Battery)	Display method	LCD
Display range	-1999~9999	Relative Humidity	0~90%RH
Environment temperature	-20~70°C	Medium temperature	-20~70°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG108	Battery Powered Pressure Gauge			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Installation way	
		J	Radial direction installation	
		Z	Axial direction installation	
		Code	Thread connection	
		G12	G1/2	
		G14	G1/4	
		M20	M20*1.5	

KPG109 Explosion-Proof Digital Display Pressure Gauge

Introduction

KPG109 high precision intelligent digital pressure gauge, with explosion-proof case for good sealing, battery supply has good seismic performance. It can measure gas, liquid and other media. It is widely used in petroleum, chemical Industrial, environmental protection, laboratory, medical, mechanical, water supply, vacuum testing and other industrial fields without power supply. It can be used for outdoor or humid environment.

Feature

- 4 – digit LCD display, high resolution, regardless of value error
- Peak holding function, recording the max. value during measurement
- Dynamic display of pressure percentage (progress bar display)
- 5 engineering units to choose: PSI, Bar, kPa, MPa, kg/cm
- Select the automatic shutdown function for 1-15min
- Micro power consumption, working in power saving mode for more than 2 years, continuous working for 2000 hours
- Parameter correction function, correct zero, error value
- Sampling rate: 1 time per second
- Suitable for pressure measurement of gas and liquid compatible with stainless steel



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.2%F. S
Stability	≤0.1%/year	Overload	≤200%F. S
Power Supply	9VDC(Battery)	Display Method	LCD
Display Range	-1999~9999	Relative Humidity	0~90%RH
Environment Temperature	-20~70°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG109	Explosion-Proof Digital Display Pressure Gauge		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
	Code	Thread connection	
	G12	G1/2	
	G14	G1/4	
	M20	M20*1.5	

KPG118 High Accuracy Digital Pressure Gauge

Introduction

KPG118 high precision digital pressure gauge, battery powered, displays value clearly and accurately. It has good seismic performance. And it has the performances of peak retention, percentage display, ambient temperature measurement, etc. It can be widely used in hydroelectricity, tap water, petroleum, chemical, machinery, hydraulic and other industries. It can measure gas, liquid and other medium. It is suitable for pressure measurement of portable equipment, measuring instruments and indoor pipes.

Feature

- Double screen display, display content clear and easy to read
- Home screen 5-digit real-time pressure display
- The secondary screen can display the maximum, minimum, peak and ambient temperature
- Graphical display of pressure percentage and battery power
- Overvoltage flicker prompt to prevent the overvoltage damage
- White backlight, easy to view at night
- 10 international pressure unit conversions
- Acquisition rate of 30 times/s ~ 100 times/s is optional, applicable to a wider range
- Automatic shutdown function effectively extends the battery life



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.2%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	9VDC/3.6VDC (Battery)	Display Method	5-digit LCD
Display Range	-19999~99999	Relative Humidity	0~90%RH
Environment Temperature	-20~70°C	Medium Temperature	-40~150°C

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPG118	High Accuracy Digital Pressure Gauge		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Installation way
		J	Radial direction installation
		Z	Axial direction installation
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPG130 Axial Direction Digit Pressure Transmitter

Introduction

KPG130 with industrial stainless steel, adopts high quality diffused silicon pressure core as the sensing element. With the compensation of digital circuit, the display and output is stable. It is suitable for bad use environment on petroleum and chemical industries.

Feature

- Wide range, suitable for absolute pressure, gauge pressure and seal gauge pressure
- High protection level, high accuracy, high stable and reliability
- Digit pressure display, LED/LCD optional
- Strong anti-interference, anti-vibration, anti-shock, suitable for industrial use
- Shell protection IP65



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F. S, 0.25%F.S
Stability	≤0.1%/year	Overload	≤150%F. S
Power Supply	12-30VDC	Wiring Way	4-20mA & RS485
Protection	IP65	Relative Humidity	0~90%RH
Display	LED/ 5-digit LCD	Cable connection	Terminals
Environment temperature	-30~80°C	Medium temperature	-40~150°C

Order Information

KPG130	Digit Pressure Transmitter		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Display
		W	No display
		X	LED
		Y	LCD
		Code	Output Signal
		I	4-20mA
		R	RS485
		H	Hart
		Code	Thread connection
		G12	G1/2
		M20	M20*1.5

KPG201C Digital Pressure Gauge with Data Logger

Introduction

KPG201C precision digital pressure gauge is in accordance with the latest national standards developed and produced high-precision smart pressure measuring instruments. Pressure gauge mainly is made by the pressure sensor and signal processing circuit. Imported pressure sensor, superior performance, with high precision, corrosion resistance, shock resistance, vibration resistance, low temperature drift, high stability and other advantages; signal processing circuit using the latest ultra-low power processors, signal processing chips and power supply management chip composition. High-capacity high-performance lithium battery-powered, no external power supply. The appearance of the instrument is delicate and compact, easy to use.

Feature

- Wide temperature compensation, ultra-low power consumption.
- Unit changing, peak valley and other functions fully preserved.
- Multi additional setting and functions available, user can set by environment and habits.



Parameter

Pressure Range	-100kpa~250pa~5kpa~250Mpa	Accuracy	0.5%, 0.4%, 0.2%, 0.1%, 0.05%, 0.02%
Display	5-digit dynamic display + percentage indicator	Pressure Unit	Pa, kPa, MPa, psi, bar, mbar, mmH2O, mmHg, inH2O, inHg, kgf/cm2
Overload Pressure	150% FS	Destruction Pressure	200% FS
Power Supply	9V rechargeable battery	Relative Humidity	0~85%RH
Environment Temp.	-20~60°C	Data Record Limit	11000

Order Information

KPG201C	Digital Pressure Gauge with Data Logger		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
	Code	Thread connection	
	G12	G1/2	
	G14	G1/4	
	M20	M20*1.5	

KPC100 Industrial Pressure Switch

Introduction

KPC100 intelligent digital pressure switch is composed of 2088 cast aluminum case, stainless steel joint, diffused silicon pressure sensor and full digital circuit board. It has performance of high protection level, intuitive display, simple operation, safe and reliable. And the switch points could be set on site. It is widely used in hydropower, tap water, petroleum, chemical Industrial, mechanical, hydraulic and other industries. It can measure and control the pressure of fluid media.

Feature

- Fully digital, switch value full range adjustable
- High protection level, suitable for harsh conditions
- 4-digit LED display, no display value error
- Control points can be set at site
- Two control relay outputs
- 4-20mA analog output optional
- Protection grade IP65
- Intrinsically safe explosion-proof



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12~30VDC	Cable Way	Direct cable
Protection	IP65	Max. Power	<1W
Load Capacitor	24VDC 1.2A/220VAC 3A	Switch Type	Relay

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC100	Industrial Pressure Switch		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
	Code	Electric connection	
		Two ways of switch output	
		1 way switch +1 way analog output	
		2 way switch + 1 way analog output	
	Code	Thread connection	
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPC102 Intelligent Pressure Switch

Introduction

KPC102 intelligent digital pressure switch is a pressure measurement product which could display, output and control pressure. Composed of stainless-steel joints, diffused silicon pressure sensor, all-digital circuit boards, it has the performance of the intuitive display, easy to operate, safe and reliable. The switch points could be set on site. It is widely used in hydropower, tap water, petroleum, chemical, machinery, hydraulic and other industries to measure and control the pressure of fluid media.

Feature

- 4-digit LED displays current value, no display value error
- Fast switching rate, 300 times per second
- Preset switching point and hysteresis switching output
- The control point can be set zero point and full point on site
- Set the return difference freely
- Button tuning and setting various parameters on site
- Two-way switch output (NPN/PNP) with load capacity 1. 2A
- 4-20mA analog output optional



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12~30VDC	Cable way	M12/Hirsman
Display	4-LED	Switch life time	>1,000,000 times
Load capacitor	24VDC 1.2A	Switch type	NPN/PNP/Relay
Response time	<5ms	Display range	-1999~9999

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC102	Industrial Pressure Switch		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Electric connection
		H	Two ways of switch output
		M	2 way switch + 1 way analog output
		Code	Output Signal
		P	PNP
		N	NPN
		J	Relay
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPC102A Smart Bevel Pressure Switch

Introduction

KPC102A the circular bevel switch intelligent digital pressure switch is composed of 2088 cast aluminum case, stainless steel joint, diffused silicon pressure sensor and full digital circuit board. It has performance of high protection level, intuitive display, simple operation, safe and reliable. And the switch points could be set on site. It is widely used in hydropower, tap water, petroleum, chemical Industrial, mechanical, hydraulic and other industries. It can measure and control the pressure of fluid.

Feature

- 4-digit LED displays the current pressure value
- Preset switching point and hysteresis switching output
- The control point can be set freely between zero point and full point on site
- Set the return difference freely
- Button tuning and setting various parameters on site
- Two-way switch output (NPN/PNP) with load capacity 1.2A(PNP)/3.7A(NPN)
- 4-20mA analog output optional
- Pressure connection can rotate 330°



Parameter

Pressure Range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.2%/year	Temperature Shift	± 0.02%F.S
Display	4-digital LED	Display Range	-1999~9999
Power Supply	24VDC ± 20%	Switch Type	PNP/NPN
Load Capacity	24V-3.7A/1.2A	Switch Life Time	>1,000,000 times
Response Time	<4ms	Medium Temperature	-25~80°C
Protection	IP65	Storage Temperature	-40~100°C
Interface Material	SS	Environment Temperature	-25~80°C
Shock-Proof	10g/0~500Hz	Impact Resistance	50g/1ms

Order Information

KPC102A	Industrial Pressure Switch		
	Range	Pressure range: -0.1MPa...0~ 100MPa	
	[0~X] bar	X: Actual pressure range	
	Code	Electric connection	
	H	Two ways of switch output	
	M	2 way switch + 1 way analog output	
	Code	Output Signal	
	P	PNP	
	N	NPN	
	J	Relay	
	Code	Thread connection	
	G12	G1/2	
	G14	G1/4	
	M20	M20*1.5	

KPC103 Industrial Intelligent Pressure Switch

Introduction

KPC103 intelligent digital pressure switch is a pressure measurement products which could display, output and control pressure. Composed of stainless steel joints, diffused silicon pressure sensor, all-digital circuit boards, it has the performance of the intuitive display, easy to operate, safe and reliable. The switch points could be set on site. It is widely used in hydropower, tap water, petroleum, chemical, machinery, hydraulic and other industries to measure and control the pressure of fluid media.

Feature

- Fast switching rate, 320 times per second
- Preset switching point and hysteresis switching output
- The control point can be set zero point and full point on site
- Set the return difference freely
- Button tuning and setting various parameters on site
- Two-way switch output (NPN/PNP) with load capacity 1. 2A
- 4-20mA analog output optional
- The display window can rotate 330°



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12~30VDC	Cable way	M12/Hirsman
Display	4-digital LED	Switch life time	>1,000,000 times
Load capacitor	24VDC 1.2A	Switch type	NPN/PNP/Relay
Response time	<5ms	Display range	-1999~9999

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC103	Industrial Pressure Switch		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Electric connection
		H	Two ways of switch output
		H1	1 way switch + 1 way analog output
		M	2 way switch + 1 way analog output
		Code	Output Signal
		P	PNP
		N	NPN
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPC104 Intelligent Pressure Controller

Introduction

KPC104 is an intelligent digital pressure measurement and control product that integrates pressure measurement, display, output, and control. Stainless steel joint, diffused Silicon pressure core body, whole digital circuit board, display intuitive, simple operation, safe and reliable, switch point set on site. It is widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries to measure and control the pressure of fluid media.

Feature

- Φ 100 Standard Instrument Installation
- 4-digit LED displays the current pressure value, no display value error
- Preset switching point and delay switching output
- The control point can be set zero point and full point on site
- Set the return difference freely
- Button tuning and setting various parameters on site, easy to operate



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	$\leq 0.5\%F.S$
Stability	$\leq 0.1\%/year$	Overload	$\leq 200\%F.S$
Protection	IP65	Cable way	Terminals
Display	0.56' LED	Power supply	24VDC/220VAC
Load capacitor	24VDC 1.2A/220VAC 3A	Switch type	Relay

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC104	Pressure Controller			
	Range	Pressure range: -0.1MPa...0~ 100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Electric connection	
		J	Φ 100 radial direction, Stainless steel	
		Z	Φ 100 anxile direction	
		B	Explosion proof shell	
		Code	Power Supply	
		D	24VDC	
		A	220VAC	
			Code	Thread connection
			G12	G1/2
			G14	G1/4
			M20	M20*1.5

KPC105 Industrial Intelligent Pressure Controller

Introduction

The KPC105 intelligent pressure controller is an intelligent digital pressure measurement and control product that integrates pressure measurement, display, output, and control. Widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries, the pressure of the fluid medium is measured and controlled, and the output(4-20mA) and RS485 network can be transmitted

Feature

- Φ 100 Standard Instrument Installation
- 4-digit LED displays the current pressure value, no display value error
- Preset switching point and delay switching output
- The control point can be set freely between zero point and full point on site
- Set the return difference freely
- 4 way relay, relay capacitor is 24V1.2A/220V3A
- 4-20mA or RS485 output, network optional



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Load capacitor	24VDC 1.2A/220VAC 3A	Cable way	Terminals
Display	0.56' LED	Power supply	24VDC/220VAC
Response time	<30ms	Switch type	4 way relay output

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC105	Pressure Controller		
	Range	Pressure range: -0.1MPa...0~100MPa	
	[0~X] bar	X: Actual pressure range	
		Code	Electric connection
		J	Φ 100 radial direction, Stainless steel
		B	Explosion proof shell
		Code	Power Supply
		D	24VDC
		A	220VAC
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5

KPC106 Industrial Intelligent Pressure Controller

Introduction

The KPC106 intelligent pressure controller is an intelligent digital pressure measurement and control product that integrates pressure measurement, dual-screen display, multiple outputs, and five-way control. Widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries, the pressure of the fluid medium is measured and controlled, and the output(4-20mA) and RS485 network can be transmitted.

Feature

- Φ 100 Standard Instrument Installation
- Dual 4-digit LED displays the current pressure value, no display value error
- Preset switching point and delay switching output
- The control point can be set freely between zero point and full point on site
- Button adjust the parameter, easy to operate
- 5 way relay, relay capacitor is 24V1.2A/220V3A
- 4-20mA or RS485 output, network optional



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	$\leq 0.5\%$ F.S
Stability	$\leq 0.1\%$ /year	Overload	$\leq 200\%$ F.S
Load capacitor	24VDC 1.2A/220VAC 3A	Cable way	Terminals
Display	0.56' LED	Power supply	24VDC/220VAC
Response time	<30ms	Switch type	5 way relay output

Note: When the medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC106	Pressure Controller			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Electric connection	
		J	Φ 100 radial direction, Stainless steel	
		B	Explosion proof shell	
			Code	Power Supply
			D	24VDC
			A	220VAC
			Code	Thread connection
			G12	G1/2
			G14	G1/4
			M20	M20*1.5

KPC150 Industrial Intelligent Pressure Controller

Introduction

The KPC150 intelligent pressure controller is an intelligent digital pressure measurement and control product that integrates pressure measurement, display, output, and five-way control. Stainless steel joint, diffused Silicon pressure core body, whole digital circuit board, display intuitive, simple operation, safe and reliable, switch point set on site. Widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries, the pressure of the fluid medium is measured and controlled, and the output(4-20mA) and RS485 network can be transmitted.

Feature

- Φ 150 Standard Instrument Installation
- Dual 4-digit LED displays, main screen 0.8 inches, secondary screen 0.36 inches
- The second screen can display the max. value, min. value, percentage, the user can change at any time.
- Industrial grade design, strong resistance to electromagnetic interference
- Button adjust the parameter, easy to operate
- Can be reset at site
- 5 way relay, relay capacitor is 24V1.2A/220V3A
- 4-20mA or RS485 output, network optional



Parameter

Pressure range	-0.1...0~100Mpa	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Load capacitor	24VDC 1.2A/220VAC 3A	Cable way	Terminals
Display	0.8' + 0.36' LED	Power supply	24VDC/220VAC
Response time	<30ms	Switch type	5 way relay output

Note: When medium temperature is higher than 80°C, high temperature accessories should be chosen.

Order Information

KPC150	Pressure Controller			
	Range	Pressure range: -0.1MPa...0~100MPa		
	[0~X] bar	X: Actual pressure range		
		Code	Output	
		I	4-20mA	
		R	RS485	
		Code	Power Supply	
		D	24VDC	
		A	220VAC	
		Code	Thread connection	
		G12	G1/2	
		G14	G1/4	
		M20	M20*1.5	

KPS400 Level Transmitter

Introduction

The KPS400 liquid level transmitter is suitable for liquid level measurement of various media in petrochemical, metallurgical, electric, pharmaceutical, drainage, environmental protection and other systems and industries. The sophisticated structure, simple adjustment and flexible installation method provide users with ease of use.

Feature

- Integrated design
- Small size, high quality with low price
- Reverse polarity protection and current restriction protection
- High accuracy, good stability
- Protection against lightning, impact, safety and explosion
- Protection: IP68



Parameter

Pressure range	0~200m	Accuracy	≤0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12-30VDC	Wiring Way	Cables
Protection	IP68	Relative Humidity	0~90%RH
Environment temperature	-10~80°C	Medium temperature	0~60°C

Order Information

KPS400	Pressure Level Transmitter		
	Range	Pressure range: 0~200m	
	[0~X] m	X: Actual level range	
		Code	Output
		I	4-20mA
		R	RS485
		V	0-5V/10V

KPS401 Remote Level Transmitter

Introduction

The KPS401 input liquid level converter is suitable for liquid level measurement of various media in petrochemical, metallurgical, electric, pharmaceutical, drainage, environmental protection and other systems and industries.

Feature

- Split design, with LED or LCD display
- Various output
- Reverse polarity protection and current restriction protection
- High accuracy, good stability
- Protection against lightning, impact, safety and explosion
- Protection: IP68



Parameter

Pressure range	0~200m	Accuracy	≤0.25%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12-30VDC	Wiring Way	Terminals
Protection	IP68	Relative Humidity	0~90%RH
Environment temperature	-10~80°C	Medium temperature	0~60°C

Order Information

KPS401	Pressure Level Transmitter		
	Range	Pressure range: 0~200m	
	[0~X] m	X: Actual level range	
		Code	Output
		I	4-20mA
		R	RS485
		V	Hart+4-20mA
		Code	Display
		W	No display
		X	LED Display
	Y	LCD Display	

KPS402 Plug-in Level Transmitter

Introduction

The KPS402 armored plug-in liquid level transmitter uses a high-performance diffused silicon pressure sensor as the measuring element, and a stainless steel fully welded structure, which is safe and reliable, without leakage. It is suitable for liquid level measurement of various media in petrochemical, metallurgy, electric power, water supply and drainage, environmental protection and other systems and industries.

Feature

- The probe rod is fully welded, and the sealing is reliable
- Multiple protection design structure, high protection ability
- Multiple display options
- Choose anti-corrosion stainless steel material, suitable for many occasions



Parameter

Pressure range	0~2m	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Power Supply	12~30VDC
Display	0~90%RH	Wiring Way	Terminal wiring
Protection	IP68	Medium temperature	0~60°C

Order Information

KPS402	Plug-in Level Transmitter		
	Range	Level range: 0~2m	
	[0~X] m	X: Actual range	
	Code	Output	
	I	4-20mA	
	R	RS485	
	H	Hart	
	Code	Display	
	W	No Display	
	X	LED	
	Y	LCD	
	Code	Rod Length	
	K2	L (m)	

KPS403 Level and Temperature Transmitter

Introduction

KPS403 series transmitter is designed to test liquid level and temperature at the same time. It has the dual analog 4- 20 mA output or RS485 output optional to meet the different requirement. It adopts the precision digital temperature compensation and nonlinear correction technology. With the integration structure and standardized signal, it is convenient to use and automation control.

Feature

- Integrated design
- Double analog 4-20mA output or RS485 optional
- Reverse polarity protection and current limiting protection
- High precision, long-term stability
- Protection: IP68



Parameter

Pressure range	0~200m	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Overload	≤200%F.S
Power Supply	12-30VDC	Wiring Way	Cables
Protection	IP68	Relative Humidity	0~90%RH
Environment temperature	-10~80°C	Medium temperature	0~60°C

Order Information

KPS403	Level and Temperature Transmitter		
	Range	Pressure range: 0~200m	
	[0~X] m	X: Actual level range	
		Code	Output
		I	Dual 4-20mA
		R	RS485

KPC404/KPC405/KPC406 Level Controller

Introduction

KPC404 series liquid level controller is the liquid level measurement transmitter, which could display, output, and control liquid level. Suitable for liquid level measurement of non-sealed containers, and can be used by far transmission by 4-20mA and RS485.



Feature

- Many ways controller point relay output optional
- Controller point can be set on site.
- High accuracy, good stability
- Protection: IP68

Parameter

Pressure range	0~0.2...200m	Accuracy	≤0.5%F.S
Stability	≤0.1%/year	Power Supply	24VDC/220VAC
Display	0.56' LED	Display range	-1999~9999
Protection	IP68	Relative Humidity	0~90%RH
Environment temperature	-30~80°C	Medium temperature	0~60°C

Order Information

KPS404	Level Controller			
	Range	Pressure range: 0~0.2...200m		
	[0~X] m	X: Actual range		
		Code	Output	
		I	4-20mA	
		R	RS485	
			Code	Power Supply
			D	24VDC
			A	220VAC
			Code	Controller point
			C2	2 way controller
			C4	4 way controller
			C5	5 way controller

KPS500 Differential Pressure Transmitter

Introduction

KPS500 series diffused silicon differential transmitters are consist of both isolation membrane differential pressure sensor and integrated circuit, Has characteristics of high precision, good stability, high reliability and good sensibility. Also can build high-performance microprocessor (MCU)which can correct nonlinearity and compensate temperature drift. Achieve accurate data transfer, local equipment diagnoses and long-distance bidirectional communication.

Feature

- Pass aging test, performance is reliable and stable.
- ExialICT6;
- CE certification



Parameter

Pressure range	0~±5kPa...±5000kPa	Accuracy	≤0.5% (0.25 optional)
Stability	≤0.1%/year	Power Supply	24VDC
Protection	IP65 / IP68	Relative Humidity	0~90%RH
Environment temperature	-30~80°C	Operating temperature	-20~80°C

Order Information

KPS500	Differential Pressure Transmitter		
	Range	Pressure range: 0~±5kPa...±5000kPa	
	[0~X] kPa	X: Actual range	
		Code	Output
		I	4-20mA
		V	0-5V / 0-10V
		Code	Power Supply
		H	Hirsman
		M	M12
		P	PG7 cable
		Code	Thread connection
		G12	G1/2
		G14	G1/4
		M20	M20*1.5