



Product Catalogue

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DPC100 Intelligent Pressure Calibrators



DPC100 Intelligent Pressure Calibrators with advanced microprocessor technology and state-of-the-art silicon pressure sensors. It provides a pressure calibration solution for gauges, transmitters, and switches over a wide pressure range. The DPC100 is a very portable item and can measure pressure precisely with a built-in pressure sensor, as well as read the current or mV produced by a transducer. It can even supply an excitation voltage to power sensors or transmitters during calibration. In order to reach 0.02% F. S. accuracy up to 10,000 psi (700 bar) and 0.1% F. S. accuracy up to 2,500 bar, every silicon pressure sensor in our gauges has been specially aged, tested and screened before assembly. The DPC100 series pressure calibrators are a good and reliable products in lab.

FEATURES

- Pressure measurement range to 2,500 bar
- Measure mA or V with 0.02% RD + 0.003%FS accuracy
- Hart Communication capability
- Advanced temperature compensation
- Large, easy to read display with 6-digit resolution
- Back lighted display
- Rechargeable battery or AC adapter
- Two-point correction, user's friendly
- NIM traceable calibration certificate (optional)

APPLICATIONS

- Gauge calibration
- Precision pressure measurement
- Pressure transmitters calibration
- Pressure switch testing
- Safety relief valve testing
- Pressure regulator testing

SPECIFICATIONS



Accuracy

- DPC-02: 0.025% of full scale
- DPC-05: 0.05% of full scale

Conventional Pressure Range Selection

P/N	Pressure Range (bar)	Accuracy	Accuracy	Accuracy
DPC100-1	(-1~0)bar	0.02, G	0.05, G	--
DPC100-2	(0~0.16) bar	0.02, G	0.05, G	
DPC100-3	(0~0.25) bar	0.02, G	0.05, G	
DPC100-4	(0~0.4)bar	0.02, G	0.05, G	0.1A
DPC100-5	(0~0.6) bar	0.02, G	0.05, G	
DPC100-6	(0~1)bar	0.02, G	0.05, G	
DPC100-7	(0~1.6)bar	0.02, G	0.05, G	
DPC100-8	(0~2.5) bar	0.02, G	0.05, G	
DPC100-9	(0~4) bar	0.02, G	0.05, G	
DPC100-10	(0~6) bar	0.02, G	0.05, G	
DPC100-11	(0~10) bar	0.02, SG	0.05, SG	
DPC100-12	(0~16) bar	0.02, SG	0.05, SG	
DPC100-13	(0~25) bar	0.02, SG	0.05, SG	
DPC100-14	(0~40)bar	0.02, SG	0.05, SG	
DPC100-15	(0~60)bar	0.02, SG	0.05, SG	
DPC100-16	(0~100)bar	0.02, SG	0.05, SG	
DPC100-17	(0~160)bar	0.02, SG	0.05, SG	
DPC100-18	(0~250)bar	0.02, SG	0.05, SG	
DPC100-19	(0~400) bar	0.02, SG	0.05, SG	
DPC100-20	(0~600) bar	0.02, SG	0.05, SG	
DPC100-21	(0~700) bar	0.02, SG	0.05, SG	
DPC100-22	(0~1000) bar	--	--	0.1,SG
DPC100-23	(0~1600) bar	--	--	0.1,SG
DPC100-24	(0~2500) bar	--	--	0.1,SG

Remark: Other pressure ranges are available. Contact Factory with specific requirement.

G=Gauge Pressure; SG=Sealed Gauge Pressure;

Bottom Connect thread : 1/4NPTM.1/2NPTM.G1/2M,M20*1.5M (Or custom-made)



Electrical Measurement Specification and Source Accuracy

Measuring Function	Range	Specification
Current	25.0000 mA	Accuracy±(0.02%RD+0.003%FS)
Voltage	25.0000V	Accuracy±(0.02%RD+0.003%FS)
Switch	On/Off	In case the switch comes with voltage, range (1~12)V
Output Function	Range	Specification
Power Output	DC24V±0.5V	

Display

- Description: Dual-line 6 full digit LCD with LED Backlight
- Display rate: 3.5 readings per second (Default setting)
- Numeral display height: 16.5mm (0.65")

Pressure Units

- Pa,kPa,MPa, psi, bar, mbar, mmH₂O, mmHg

Environmental

- Compensated Temperature:
- 32F to 122 F (0 C to 50 C)
- *0.025%FS accuracy guaranteed only over the ambient temperature range of 68 F to 77 F (20 C to 25 C)
- Storage Temperature: -4 F to 158 F (-20 C to 70 C) Humidity: <95%

Media Compatible

- (0 ~0.16) bar: Non-corrosive Gas Compatible
- (0.35~ 2500) bar: Liquid, Gas or Steam Compatible with 316 Stainless Steel

Pressure Port

- 1/4"NPT(700bar)
- 0.156 inch (4mm) test hose (for differential pressure) Other connections per request

Electrical Connection

- 0.156 inch (4mm) sockets
- Over Pressure Warning: 120%

Power

- Battery: Recharge Li-ion polymer battery Li-Battery working time: 80 hours Rechargeable time: 4 hours
- External power: 110V/220V power adapter(DC 9V)

Enclosure

- Case material: Aluminum alloy
- Wetted parts: 316 SS
- Dimension: 114mm diameter X 39mm depth X 180mm height



- Weight: 0.6kg

Communication

- RS232 (DB9/F, environmentally sealed)

Accessories (included)

- 110V/220V external power adapter (DC 9V) 2 pieces 1.5-meter test leads
- 2 pieces 0.156 inch (4 mm) test hose (for differential pressure gauge only)

DPG100 Digital Pressure Gauge

DPG100 Digital Pressure Gauge is a microprocessor-controlled digital pressure testing gauge that combines precision and functionality in a compact, robust and simple-to-use package. The DPG100 Digital Pressure Gauge matches advanced silicon sensor technology with several convenient design features resulting in an accurate, versatile yet affordable digital test gauge. DPG100 Digital Pressure Gauge widely uses in oil&gas, power industry, metrology body and so on. it provides a reliable and economic solution for a wide range of pressure measuring applications.

Application:

- Precision Pressure Measurement
- Field Gauge Calibration
- Other Pressure Instrument Calibration



Features:

- High Accuracy 0.02%F.S ,0.05%F.S,0.1%F.S
- Pressure range :-1-2500bar (see the range table)
- 0~50°C Temp Compensation
- Low Power Consumption
- Auto Peak Recording
- Pressure unit selectable : mmH2O、 mmHg、 Pa、 kPa、 MPa、 psi、 bar、 mbar、 kgf/cm2
- Rugged aluminum housing
- Wetted part:316 stainless steel
- 5 bits display with white backlight



- Overpressure warning: The screen will display “Fail” if pressure over 110%F.S

Measurement Speed:

- Max: 3 readings per second (Default), lowest: 1 reading/10 seconds,
- Speed adjustable.

Environmental:

- Operating Range: (-20~70) °C
- Temp. Compensation: (0~50) °C
- Humidity: <95%
- Atmosphere Pressure: (86~106) kPa
- Storage Temp.: (-40~85) °C

Display: 5 Digit Backlit Display

Power Supply: Three AA alkaline batteries or Built-in 3.6V lithium battery

Working Time: Reading/ Second

Test Speed	1reading/S	1reading/2S	1reading/5S	1reading/10S
Working Time	1 Year	2 Years	4 Years	8 Years

Other Parameters:

- Dimension: Head Ø100mm×37mm, Overall Height 132mm
- Weight: Approx. 0.45KG
- Pressure Connection: 1/4NPT,1/2NPT,G1/2 or M20×1.5
- Communication: RS232



Conventional Pressure Range Selection

Order No.	Pressure Range	Accuracy	Accuracy	Accuracy
DPG100-1	(-1~0)bar	0.02,G	0.05,G	0.1,G
DPG100-2	(0~0.16) bar	--	0.05,G	0.1,G
DPG100-3	(0~0.25) bar	--	0.05,G	0.1,G
DPG100-4	(0~0.4) bar	0.02,G	0.05,G	0.1,G
DPG100-5	(0~0.6)bar	0.02,G	0.05,G	0.1,G
DPG100-6	(0~1) bar	0.02,G	0.05,G	0.1,G
DPG100-7	(0~1.6) bar	0.02,G	0.05,G	0.1,G
DPG100-8	(0~2.5)bar	0.02,G	0.05,G	0.1,G
DPG100-9	(0~4) bar	0.02,G	0.05,G	0.1,G
DPG100-10	(0~6) bar	0.02,G	0.05,G	0.1,G
DPG100-11	(0~10) bar	0.02,G	0.05,G	0.1,G
DPG100-12	(0~16) bar	0.02,G	0.05,G	0.1,G
DPG100-13	(0~25) bar	0.02,G	0.05,G	0.1,G
DPG100-14	(0~40) bar	0.02,G	0.05,G	0.1,G
DPG100-15	(0~60) bar	0.02,G	0.05,G	0.1,G
DPG100-16	(0~100) bar	0.02,G	0.05,G	0.1,SG
DPG100-17	(0~160) bar	0.02,G	0.05,G	0.1,SG
DPG100-18	(0~250)bar	0.02,G	0.05,G	0.1,SG
DPG100-19	(0~400) bar	0.02,G	0.05,G	0.1,SG
DPG100-20	(0~600) bar	0.02,G	0.05,G	0.1,SG
DPG100-21	(0~700) bar	0.02,G	0.05,G	0.1,SG
DPG100-22	(0~1000) bar	--	0.05,G	0.1,SG
DPG100-23	(0~1600) bar	--	0.05,G	0.1,SG
DPG100-24	(0~2500) bar	--	0.05,G	0.1,SG

Remark: Other pressure ranges are available. Contact Factory with specific requirement.

G=Gauge Pressure; SG=Sealed Gauge Pressure;

Bottom Connect thread : 1/4NPTM.1/2NPTM.G1/2M,M20*1.5M (Or custom-made)



DPR 100 Digital Pressure Datalogger

DPR100 is a battery powered pressure recorder, with LCD display. It is perfect for applications requiring display pressure readings. Available on-screen data includes: statistics (max., min., average); recording status (start, stop and recording rate), display options (channel, units, text size); calibration information (data calibrated, data for recalibration). Statistics can be cleared at any time during logging. With 250000 readings, the DPR100 has one of the largest memory capacities. The non-volatile memory will retain recorded data, even if battery power is lost. Simply connect the interface cable to an available USB Port with a few clicks of the mouse, data is downloaded and ready for review and export to EXCEL.

Application:

- Precision pressure measurement
- Field gauge calibration
- Pressure safety valve (PSV) testing
- Pressure regulator testing
- Leaking testing

Features:

- Pressure ranges to 2,500 bar
- High accuracy 0.05%FS, 0.1%FS, 0.2%F.S
- Fully temperature compensated accuracy -10°C to 50°C
- Large LCD 5 bits display with backlight
- Front panel keys for fast, easy operation
- User-selectable measurement units
- Real-time operation, high speed download
- Programmable start/stop time
- Aluminum housing



Technical Specifications:

- Response Time: 0.1ms
- Start/Stop Time: Software programmable start time & date, up to six months in advance
- Memory Capacity: 250000 readings
- Reading Rate: 1 reading every 2 seconds to 1 every 24 hours
- Power: Three AA alkaline batteries or one 3.6V Lithium Battery
- Battery Life: 1 year battery life at 1 minute reading rate with display off.
- Engineering Units: Pa, kPa, MPa, mmH₂O, mmHg, psi, bar, mbar
- Communication: RS232
- Baud Rate: 115200



- Software: WINDOWS7/ WINDOWS 8 /XP/VISTA

Other Specification:

- Dimension: Head Ø115mm×56mm, Overall Height 180mm
- Weight: Approx.0.6kg
- Pressure Connection: 1/4NPT

Environmental:

- Operating Range: (-20~70) °C
- Humidity: <95%
- Atmosphere Pressure: (86~106) kPa
- Storage Temp.: (-40~85) °C

Software Features:

- Graphs Display: Display pressure data graph
- Real-time Recording: Real-time data acquisition and display during continuous recording
- Cursor Tracking: One click displays readings by time, value, parameter or sample number
- Data Table: Instantly access tabular view for detailed dates, times, values, and annotations
- Scaling Options: Auto scale function fits data to the screen, or allows user to manually enter their own values
- Formatting Options: Change colors, line style, plotting options, show or hide channels quickly.
- Statistics: Calculate averages, min., max., standard deviation
- Export Data: Export data in a variety of common formats, or switch to Excel with a single click
- Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
- Communication: Automatically sets up communications port or lets user select configuration
- Print: Print data table or graph automatically

Conventional Pressure Range Selection

No.	Pressure Range	Accuracy	Accuracy	Accuracy
DPR100-1	(-1~0)bar	0.05, G	0.1,G	0.2,G
DPR100-2	(0~0.16) bar	0.05, G	0.1,G	0.2,G
DPR100-3	(0~0.25) bar	0.05, G	0.1,G	0.2,G
DPR100-4	(0~0.4)bar	0.05, G	0.1,G	0.2,G
DPR100-5	(0~0.6) bar	0.05, G	0.1,G	0.2,G
DPR100-6	(0~1)bar	0.05, G	0.1,G	0.2,G



DPR100-7	(0~1.6)bar	0.05, G	0.1,G	0.2,G
DPR100-8	(0~2.5) bar	0.05, G	0.1,G	0.2,G
DPR100-9	(0~4) bar	0.05, G	0.1,G	0.2,G
DPR100-10	(0~6) bar	0.05, G	0.1,G	0.2,G
DPR100-11	(0~10) bar	0.05, G	0.1,G	0.2,G
DPR100-12	(0~16) bar	0.05, G	0.1,G	0.2,G
DPR100-13	(0~25) bar	0.05, G	0.1,G	0.2,G
DPR100-14	(0~40)bar	0.05, G	0.1,G	0.2,G
DPR100-15	(0~60)bar	0.05, G	0.1,G	0.2,G
DPR100-16	(0~100)bar	0.05, G	0.1,SG	0.2,SG
DPR100-17	(0~160)bar	0.05, G	0.1,SG	0.2,SG
DPR100-18	(0~250)bar	0.05, G	0.1,SG	0.2,SG
DPR100-19	(0~400) bar	0.05, G	0.1,SG	0.2,SG
DPR100-20	(0~600) bar	0.05, G	0.1,SG	0.2,SG
DPR100-21	(0~700) bar	0.05, G	0.1,SG	0.2,SG

Remark: Other pressure ranges are available. Contact Factory with specific requirement.

G=Gauge Pressure; SG=Sealed Gauge Pressure;

Bottom Connect thread : 1/4NPT.1/2NPT.G1/2 (Or custom-made)

DPG280 Low Accuracy Field Digital Pressure Gauge

DPG280 Digital Pressure Gauge is portable, field digital gauge. With advanced microprocessor technology and state-of-the-art silicon pressure sensors,DPG280 test gauges provide a reliable economic solution for pressure application in the industries of power,chemical ,petrol, oil&gas metallurgy, metering,etc. Every DPG280 Digital pressure gauge passes the high and lower temperature aging, so it could assure the products more accurate and reliable.

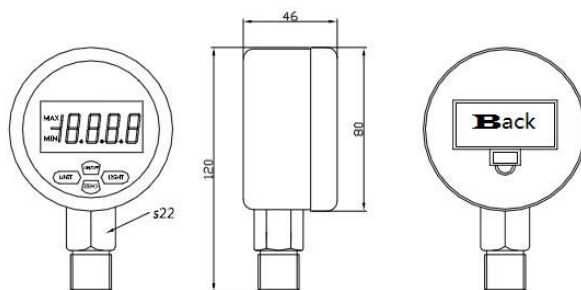




SPECIFICATION:

Range	From vacuum to 1000bar
Over Pressure	Range \geq 10Mpa 150%; Range<10Mpa 200%
Acc.	\pm 0.5%FS, \pm 0.2%FS
Size	80mm, 60mm,100mm (optional)
Temperature compensation	10 \sim 30 $^{\circ}$ C
Supply	3V(2 batteries of AAA)
IP rating	IP65
Peak values	Max,min
Display updated rate	5 times/second (or according to client's demand)
Measurement Medium	Gas, water, oil
Pressure Connection	M20*1.5, G1/4, G1/2, NPT1/2, NPT1/4
Connector Material	304SS
Housing Material	304SS
Electric Protection	Reverse protection, anti-electromagnetic interference

Product Size



Features:

- ◆ Pressure range to 1000bar
- ◆ Accuracy: 0.2%F.S,0.4%F.S
- ◆ 4 bits big LCD display with Back light,
- ◆ 304 Stainless steel housing
- ◆ Pressure units available (bar,psi , kPa, Kg/cm² ,Mpa);
- ◆ Zero clearing, On/off button,
- ◆ Low voltage alarm,
- ◆ Maximun and minimum function
- ◆ Dry-Battery-powered,low power design keeping it work more than 12 months
- ◆ Connection : 1/4NPT,1/2NPT,G1/4,G1/2



01



Four LCD liquid crystal display real-time display pressure, more white backlight, facilitate customer field observation

02

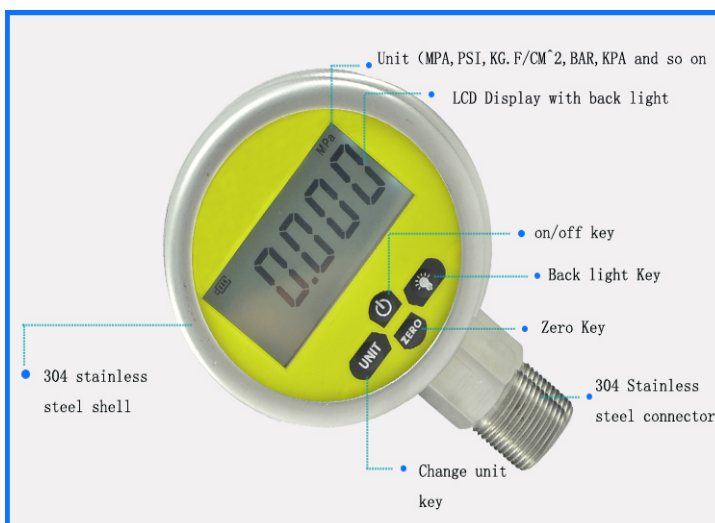


A variety of pressure unit (Mpa, PSI, Kg. F/cm squared, bar, kPa) a key switch. Reset, backlight, switch machine, and other functions, convenient and practical

03



Two 7 battery power supply, low-power design, endurance time





KT300 Digital transmission pressure gauge

KT300 Digital transmission pressure gauge is very portable and small with 4 bits display .it could real-time display pressure values ,the pressure signal may remote. the transmission distance is better than 500m.you may choose 4-20mA transmission signal or RS485 based on the standard MODBUS RTU communication protocol.KT300 Digital transmission pressure gauge with strong function.the user may switch the pressure unit,calibrate zero point error and revise filter constant.it is used widely in machine automation ,medical equipment, water treatment system ,hydraulic and pneumatic system and so on. KT300 Digital transmission pressure gauge could replace transitional pointer pressure gauge and pressure transmitter.

CHARACTERISTICS

- 4-20mA remote signal or RS485 signal optional
- Good stability ,the design for Anti electromagnetic interference Design
- Different pressure units to chose, one key to zero clearing
- 304 stainless steel material for housing

SPECIFICATION:

Range	(G):-100kpa~0...5kpa...100KPa...1...5...10...25...60Mpa (GA):0~5KPa..10KPa...20KPa...100KPa...1000KPa
Over Pressure	>100bar 150%; <100bar 200%
Display screen	LCD (4-20mA) ;LED(RS485)
Response time	≤2ms
Acc.	±0.5%FS 0.25%F.S
Long time stability	±0.2%FS/year
Zero temperature drift	±0.02%FS/°C, ±0.05%FS/°C(max)
Sensitivity temperature drift	±0.02%FS/°C, ±0.05%FS/°C(max)
Power supply	12-32VDC (generally 24V)
Output signal	4-20mAor RS485
Work temperature	-20~ 80°C
Storage temperature	-40~ 100°C
Compensated temperature	-10~ 70°C
Electric Protection	Reverse protection, anti-electromagnetic interference
IP Rating	IP65
Measurement Medium	Gas, water, oil
Pressure Connection	M20*1.5,G1/2,G1/4,ZG1/4,R1/4(custom-made)
Bottom connect &Housing	304SS



KT-S828E Digital Pressure Switch

KT-S828E is a intelligent digital pressure switch, setting pressure measurement, pressure display, control in one professional unit. It can be set two group NO/NC alarm points and also achieve two group high and low pressure control. “One key to zero clearing” and “three pressure unit to change” are available. We pay more attention to the stability of circuit with anti-electromagnetic interference, cells lightning protection and electronic protection. The shell and connector are 304SS.

APPLICATION

- Machine automation
- Engineering machiner
- Medical equipment
- Source and water treatment system
- Agricultural machinery
- Hydraumatic and pneumatic system



CHARACTERISTICS

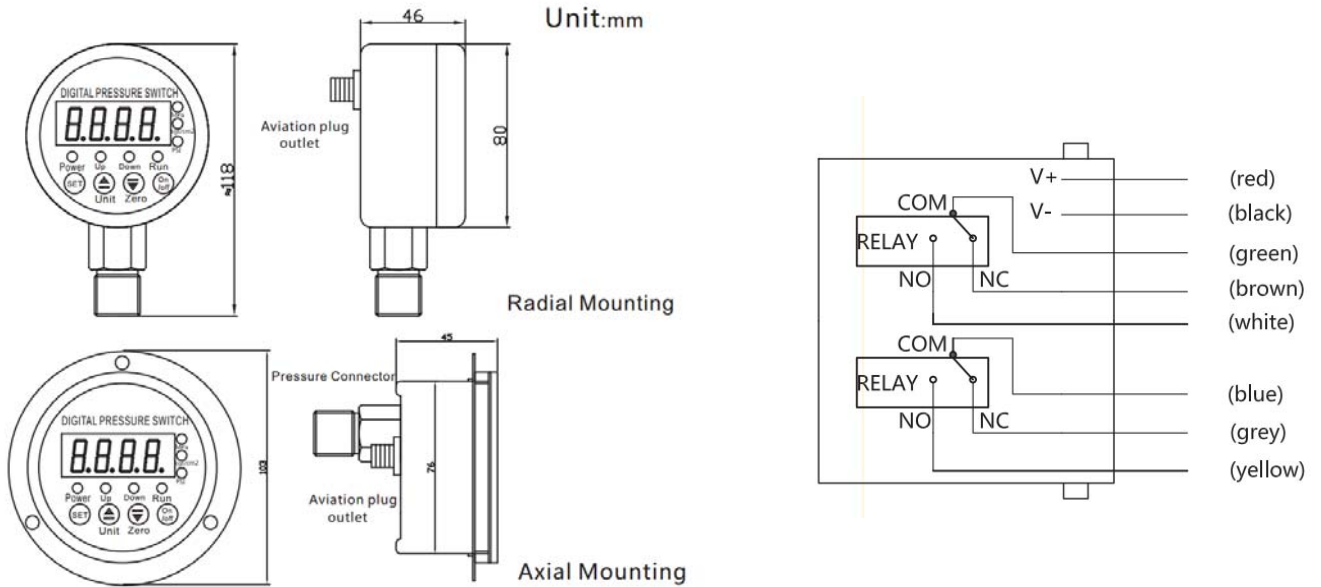
- 80mm diameter, 304SS shell
- Radial and axial mounting (axial mounting optioal ,the order code: **KT-S828Z**)
- Different pressure units to chose, one key to zero clearing
- Double relay output signal, each group with NO/NC, returning difference be set independent
- Multiple connection modes, be used as controller, switch, digital electro connecting pressure gauge

SPECIFICATION:

Range	-1-1600bar
Over Pressure	Range≥100bar 150%; Range<100bar 200%
Acc.	±0.5%FS
Alarm Point	Alarm point be set discretionarily within the range.
Alarm Type	Double relays output signal(NO/NC)
Operating Temperature	-20~ 80℃
Compensation Temperature	-10 ~70 ℃
Electric Protection	Reverse protection, anti-electromagnetic interference
Sampling Frequency	5 times/sec
Measurement Medium	Gas, water, oil
Pressure Connection	M20*1.5, G1/4, G1/2, NPT1/2, NPT1/4
Bottom connect&Housing	304SS
Supply	24VDC, 220VAC, 380VAC
Weight	0.35Kg



Dimension and outlet connection



Order Code:

KT-S828E-25M-1-P4-M1-C-T1-L

Model:
S828E(Radial)
S828Z(Axial)

Range:
X k (0-X kpa)
X b(0-X bar)
X M(0-XMPa)

Acc. :
1 (0.5%)

Supply :
P2(24V) P4(220V)
P5(380V) P6(12V)

Addition:

L Display

Medium Temperature:
T1 (-20~80°C)

Electric Connection:
B(Cable)
C(Aviation plug)

Screw Connection:

M1 (M20*1.5) M2 (G1/4)
M3 (G1/2) M4(1/2NPT)
M5(1/4NPT) M7(Screw customized)



KT-S828A Digital Pressure Switch (with 4-20mA or RS485 signal output)

KT-S828E is a intelligent digital pressure switch, setting pressure measurement, pressure display, control in one professional unit. It can be set two group NO/NC alarm points and also achieve two group high and low pressure control. “One key to zero clearing” and “three pressure unit to change” are available. We pay more attention to the stability of circuit with anti-electromagnetic interference, cells lightning protection and electronic protection. The shell and connector are 304SS.

APPLICATION

- Machine automation
- Engineering machine
- Medical equipment
- Source and water treatment system
- Agricultural machinery
- Hydraumatic and pneumatic system

CHARACTERISTICS

- 80mm diameter, 304SS shell
- 4-20mA output or RS485 signal output optional
- Radial and axial mounting (axial mounting optioal ,the order code: **KT-S828AZ**)
- Different pressure units to chose, one key to zero clearing
- Double relay output signal, each group with NO/NC, returning difference be set independent
- Multiple connection modes, be used as controller, switch, digital electro connecting pressure gauge

SPECIFICATION:

Range	-1-1600bar
Over Pressure	Range≥100bar 150%; Range<100bar 200%
Acc.	±0.5%FS
Alarm Point	Alarm point be set discretionarily within the range.
Alarm Type	Double relays output signal(NO/NC) 4-20mA or RS485output optional
Operating Temperature	-20~ 80℃
Compensation Temperature	-10 ~70 ℃
Electric Protection	Reverse protection, anti-electromagnetic interference
Sampling Frequency	3 times/sec
Measurement Medium	Gas, water, oil
Pressure Connection	M20*1.5, G1/4, G1/2, NPT1/2, NPT1/4
Bottom connect&Housing	304SS
Supply	24VDC
Electrical connection	8 core plug(with0.7m wire)



KT10 Micro-Pressure Comparator



KT10 Micro-Pressure Comparator is a comprehensive product, negative pressure and positive pressure rolled into one. It features high sealed performance, stable compression, and simple operation and hence is suitable in the laboratory and fieldwork.

Technical Specification

- ◆ Generated pressure range: (-0.25~0.25)bar
- ◆ Working media: Air
- ◆ Adjust resolution: 0.01mbar
- ◆ Material: Body: transparent plexiglass
Output part: stainless steel
Seals: Buna-N
- ◆ Output interface connection: M20×1.5Female
- ◆ Weight: 2.55kg
- ◆ Dimensions: 260L×180W×60H (mm)

Characteristics

- ◆ Adopts high quality and transparent plexiglass material.
- ◆ The whole structure is more intuitive and compact.
- ◆ Simple operation, convenient maintenance.
- ◆ Pressure resolution: 0.01mbar

Function

It provides pressure measurement for calibrating pressure (differential pressure) transmitter, precision pressure gauge, general pressure gauge and other pressure instruments. It can be extensively used in power, chemical, petrol, metallurgy, metering, military industry, etc.



KT30 Pneumatic Comparator



KT30 Pneumatic Comparator is portable structure and designed to generate pressure from vacuum to 60bar. Built-in filter protects the pump from dirty and make maintenance easy and convenient. The F-adjust valve could accomplish 10Pa (0.1mbar) pressure resolution. Especially the lever lead screw design makes user operate in economize labor. the design of reverse valve makes the switch of vacuum and positive pressure more smooth. Two standard pressure outputs are easy to connect gauges under test without using the wrenches. It widely calibrates pressure instruments in field and laboratory.

Technical Specification

- ◆ Generated pressure range: (-0.95~16/25)bar,(-0.95~40/60)bar
 - ◆ Working media: Air
 - ◆ Adjust resolution: 0.1mbar
 - ◆ Material: Body: Stainless steel /Aluminium
- Seals:Buna-N
- ◆ Output interface connection: M20×1.5Female
 - ◆ Weight:2.7kg
 - ◆ Dimensions:286L×198W×140H (mm)

Function

KT30 provides pressure measurement for calibrating pressure instruments in field and laboratory. It can be extensively used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Characteristics

- ◆ portable structure
- ◆ Built-in filter protects the pump from dirty and make maintenance easy and convenient
- ◆ user operate in economize labor



KT50 Hydraulic Comparator



KT50 Hydraulic Comparator adopts advanced stainless steel and lithium alloy special process, compact dimension, light weight. It is portable structure and designed to generate pressure range up to 700bar. The screw pump design makes the high pressure operation more easy and save labor, the F-adjust valve adjust the exact pressure value .A detachable oil cup is easy to clean and maintenance, user could check the work medium timely from the transparent oil cover. Two standard pressure outputs are easy to connect gauges under test without using the wrenches. It widely calibrates pressure instruments in field and laboratory.

Technical Specification

- ◆ Pressure Range: (0~600)bar, (0~700) bar
- ◆ Working Medium: 25# Transformer ,or the distilled water (the order model KT50-1)
- ◆ Adjust resolution: 1mbar
- ◆ Material : Body:Stainless Steel/Aluminium
- Seals:Buna-N
- ◆ Output Interface: M20*1.5 Female
- ◆ Weight:2.6kg
- ◆ Dimension (L×W×H): 210mm×210mm×140mm

Function

KT50 provides pressure for calibrating pressure gauges, such as pressure (different pressure) transducers, precision pressure gauges, general pressure gauges and other pressure gauges. It can be widely used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Characteristics

- ◆ Easy operation, saving labor.
- ◆ Fast connection, quick pressurizing
- ◆ Increasing pressure easily, convenient maintenance.
- ◆ The appearance is simple & beautiful.



KT20 Pneumatic Comparator



KT20 Pneumatic Comparator is designed with a reverse valve, generated pressure from vacuum to 60bar. The F-adjust valve could accomplish 10Pa (0.1mbar) pressure resolution. Having 3 outputs with fast fittings, which is more effective to calibrate 2pcs under test pressure instruments together. A built-in gas-oil isolator keeps the pump from oil impurity avoid some unnecessary maintenance. Especially the lever lead screw design makes user operate in economize labor. It widely calibrates pressure instruments in the laboratory.

Technical Specification

- ◆ Generated pressure range:(-0.95~60)bar
- ◆ Working media: Air
- ◆ Adjust resolution:10Pa(0.1mbar)
- ◆ Material : Body:Stainless Steel/Aluminium
- Seals:Buna-N
- ◆ Output interface connection: M20×1.5Female
- ◆ Weight:14.8kg
- ◆ Dimensions:380L×380W×200H (mm)

Function

It provides pressure measurement for calibrating pressure (differential pressure) transmitter, precision pressure gauge, general pressure gauge and other pressure instruments.

It can be extensively used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Characteristics

- ◆ Food grade stainless steel and hermetic technology in the military industry
- ◆ High precision, stable pressure generating, easy operation.
- ◆ Wide pressurized range, high vacuum degree
- ◆ High reliability, Wide micro-adjusting range



KT100 Hydraulic Comparator



KT100 Hydraulic Comparator adopts advanced stainless steel, with bench-top structure and designed to generate pressure range up to 700bar. The sliding block structure for screw pump design makes the high pressure operation more easy and save labor, and saves operation space without screw outside. That special F-adjust valve adjusts the exact pressure value and calibrate 2.5bar pressure instruments. The detachable Oil cup is easy to clean and maintenance, checking work medium timely from outside. 3pcs output with quick coupling makes it calibrated pressure instruments together. It widely calibrates pressure instrument in the laboratory.

Specifications

- ◆ Generated pressure range: (0~600/700)bar
- ◆ Working media:
25#transformer oil, Distilled water
Optional,The model KT100-1
- ◆ Adjust resolution: 1mbar
- ◆ Material:
Body:Stainless steel /Aluminium
Seals:Buna-N
- ◆ Output interface connection: M20×1.5Female
- ◆ Weight:14.9kg
- ◆ Dimensions:430L×330W×170H (mm)

Function

KT100 provides pressure measurement for calibrating pressure (differential pressure) transmitter, precision pressure gauge, general pressure gauge and other pressure instruments. It can be extensively used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Characteristics

- ◆ adopts advanced stainless steel,bench-top structure
- ◆ detachable Oil cup is easy to clean and maintenance
- ◆ Fast connection, quick pressurizing and easy operation
- ◆ It is used for calibrating all kinds of oil gauges



KT80 Hydraulic Comparator



KT80 Hydraulic Comparator adopts advanced stainless steel material with bench-top structure and designed to generate pressure range up to 1200bar. It is fitted with a hand pump which could quickly pressurize to the whole system; perfectly integrated operation of hand pump & zero valve helps the user to accomplish high pressure points calibration, closing shut-off valve during pre-pressurizing 150bar in order to get high pressure ranges. The special F-adjust valve design makes the high pressure operation more easy and save labor. Detachable oil cup is easy to clean and maintenance. Checking working media timely from outside. It widely calibrates pressure instrument in the laboratory.

Technical Specifications

- ◆ Pressure range: (0~1000)bar; (0~1200)bar;
- ◆ Working medium :25# transformer oil
- ◆ Pressure connection: M20x1.5 Female
- ◆ Dimensions: 440mm*38mm*230mm (mm)
- ◆ Weight: 18kgs
- ◆ Materials: Food grade stainless steel and anti-rust aluminum for body; Buna N for O-rings
- ◆ Packaging: plywood box

Function

KT80 provides pressure measurement for calibrating pressure (differential pressure) transmitter, precision pressure gauge, general pressure gauge and other pressure instruments. It can be extensively used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Features

- ◆ Bench-top design;
- ◆ Outstanding sealing performance & quick pressure stabilizing due to use of good military sealing
- ◆ Easy operation, clean and maintenance, no leakage;
- ◆ High speed stability
- ◆ Transparent oil cup for clear observation of working medium



KT60 Hydraulic Comparator



KT60 Hydraulic Comparator is generated pressure up to 2500bar to calibrate high pressure instruments against a standard gauge. It is fitted with hand pump which could quickly pressurize to the whole system; perfectly integrated operation of hand pump & Booster helps user to accomplish high pressure points calibration, closing Shut off valve during pre- pressurizing 150bar in order to get high pressure ranges. The lead screw adjusts the exact pressure values in the process. A specially designed transparent oil cup marks the balance of working medium. It widely calibrates pressure gauges in the laboratory.

Specifications

Generated pressure range:(0~1600/2500)bar

Working media:25#Transformer oil

Material:

Body:Stainless Steel/Aluminium

Output part:stainless steel

Seals:Buna-N

Output interface connection: M20×1.5Female

Weight:25kg

Dimensions:570L×490W×195H (mm)

Package:Plywood case

Function

KT60 provides pressure measurement for calibrating pressure (differential pressure) transmitter, precision pressure gauge, general pressure gauge and other pressure instrument.

Features

- ◆ Bench-top structure
- ◆ Outstanding sealing performance& quick pressure stabilizing due to use of good military sealing
- ◆ Easy operation, clean and maintenance, no leakage;
- ◆ High pressure to 2500bar
- ◆ Transparent oil cup for clear observation of working medium



KT64 Pressure Thread Adapter



Model	Description	Max Pressure
20M-M8F	Adapter M20×1.5 Male to M8×1 Female	15,000psi
20M-M8M	Adapter M20×1.5 Male to M8×1 Male	15,000psi
20M-M20F	Adapter M20×1.5 Male to M20×1.5 Female	15,000psi
20M-M20M	Adapter M20×1.5 Male to M20×1.5 Male	15,000psi
20M-8BSPF	Adapter M20×1.5 Male to 1/8BSP Female	15,000psi
20M-8BSPM	Adapter M20×1.5 Male to 1/8BSP Male	15,000psi
20M-8BSPTF	Adapter M20×1.5 Male to 1/8BSPT Female	15,000psi
20M-8BSPTM	Adapter M20×1.5 Male to 1/8BSPT Male	15,000psi
20M-M10F	Adapter M20×1.5 Male to M10×1 Female	15,000psi
20M-M10M	Adapter M20×1.5 Male to M10×1 Male	15,000psi
M20M-M22F	Adapter M20×1.5 Male to M20×2 Female	15,000psi
20M-M22M	Adapter M20×1.5 Male to M20×2 Male	15,000psi
20M-4BSPF	Adapter M20×1.5 Male to 1/4BSP Female	15,000psi
20M-4BSPM	Adapter M20×1.5 Male to 1/4BSP Male	15,000psi
20M-4BSPTF	Adapter M20×1.5 Male to 1/4BSPT Female	15,000psi
20M-4BSPTM	Adapter M20×1.5 Male to 1/4BSPT Male	15,000psi
M20M-M12F	Adapter M20×1.5 Male to M12×1.25 Female	15,000psi
20M-M12M	Adapter M20×1.5 Male to M12×1.25 Male	15,000psi
20M-8NPTF	Adapter M20×1.5 Male to 1/8NPT Female	15,000psi
20M-8NPTM	Adapter M20×1.5 Male to 1/8NPT Male	15,000psi
20M-2BSPF	Adapter M20×1.5 Male to 1/2BSP Female	15,000psi
20M-2BSPM	Adapter M20×1.5 Male to 1/2BSP Male	15,000psi
20M-2BSPTF	Adapter M20×1.5 Male to 1/2BSPT Female	15,000psi
20M-2BSPTM	Adapter M20×1.5 Male to 1/2BSPT Male	15,000psi
20M-M14F	Adapter M20×1.5 Male to M14×1 Female	15,000psi
20M-M14M	Adapter M20×1.5 Male to M14×1 Male	15,000psi
20M-4NPTF	Adapter M20×1.5 Male to 1/4NPT Female	15,000psi
20M-4NPTM	Adapter M20×1.5 Male to 1/4NPT Male	15,000psi



KDS INSTRUMENT CO.,LTD

20M-3BSPF	Adapter M20×1.5 Male to 3/8BSP Female	15,000psi
20M-3BSPM	Adapter M20×1.5 Male to 3/8BSP Male	15,000psi
20M-M14F	Adapter M20×1.5 Male to M14×1.5 Female	15,000psi
20M-M14M	Adapter M20×1.5 Male to M14×1.5 Male	15,000psi
20M-2NPTF	Adapter M20×1.5 Male to 1/2NPT Female	15,000psi
20M-2NPTM	Adapter M20×1.5 Male to 1/2NPT Male	15,000psi
20M-3BSPTF	Adapter M20×1.5 Male to 3/8BSPT Female	15,000psi
20M-3BSPTM	Adapter M20×1.5 Male to 3/8BSPT Male	15,000psi
20M-M16F	Adapter M20×1.5 Male to M16×1.5 Female	15,000psi
20M-M16M	Adapter M20×1.5 Male to M16×1.5 Male	15,000psi
20M-3NPTF	Adapter M20×1.5 Male to 3/8NPT Female	15,000psi
20M-3NPTM	Adapter M20×1.5 Male to 3/8NPT Male	15,000psi
20M-TM6	Adapter M20×1.5 Male to turriiformΦ6	15,000psi
20M-TM8	Adapter M20×1.5 Male to turriiformΦ8	15,000psi
20F-3BSPM	Adapter M20×1.5 Female to 3/8BSP Male	15,000psi
20F-3BSPTM	Adapter M20×1.5 Female to 3/8BSPT Male	15,000psi
20F-3NPTM	Adapter M20×1.5 Female to 3/8NPT Male	15,000psi
20F-4BSPM	Adapter M20×1.5 Female to 1/4BSP Male	15,000psi
20F-2BSPM	Adapter M20×1.5 Female to 1/2BSP Male	15,000psi
20F-8NPTM	Adapter M20×1.5 Female to 1/8NPT Male	15,000psi
20F-4BSPTM	Adapter M20×1.5 Female to 1/4BSPT Male	15,000psi
20F-2BSPTM	Adapter M20×1.5 Female to 1/2BSPT Male	15,000psi
20F-4NPTM	Adapter M20×1.5 Female to 1/4NPT Male	15,000psi
20F-2NPTM	Adapter M20×1.5 Female to 1/2NPT Male	15,000psi
20F-TM6	Adapter,M20×1.5 Female to turriiformΦ6	15,000psi
20F-TM8	Adapter,M20×1.5 Female to turriiformΦ8	15,000psi
Ptfе gasket 20pcs,O ring 30pcs,high pressure hose 1pc,low pressure hose 1pc		
Fast Insert Tee 1pc,Fast Screw Tee 1pc		
Adjustable Wrench (10" ~ 250mm)		
General Pointer puller		
ptfe tape		
Fast Angle thread /Angle thread for back connection		

As for the thread adaptor,64pcs within one carrying case . you may order the whole case of thread adaptors. Of course , you may also order it separately it according to the model.

Temperarure Calibrator



KT-1815 Current and Voltage Calibrator is designed to save time and produce high-quality results. This makes the KT-1815 unique as both an affordable, compact loop calibrator. This tool reduces the time it takes to measure, or source, voltage or current and power up a loop.



Features

- Accuracy: 0.05%Rdg
- Measure and source voltage, current (active or passive), mV and frequency.
- May simulate two-wire channel transmitter.
- Perfect performance on waterproof protection: IP67 grade
- In case of connecting 220V voltage with automatic over voltage protection function
- With manual stepping, automatic stepping and 0 ~ 100% output of phase step and ramp function.
- Big LED with adjustable backlight and auto power off function.
- Supply DC24V loop power.
- Support for PC communication
- Using environment temperature: (-18~55)°C
- Store environment temperature: (-20~60)°C
- Relative humidity: 0~90RH
No condensation
- Weight: 0.35Kg
- Size: 185mm×93mm×47mm
- Power supply: 6 R03-model rechargeable batteries or power adapter
- communication mode: RS232

Function	Measure	Source
DC V	0~30 V	0~10 V
DC mV	0~100 mV	0~100 mV
DC mA	0~24 mA	0~24 mA
Frequency	1.000Hz~99.999kHz	0.00Hz~20.000kHz
Others	24V power supply, Step, Ramp.	

Standard Accessories



hard spot test leads (one sets) One 12V/1A power adaptor 6 LR03-model (size 7)



KT-1812 RTD Calibrator

For the temperature calibration professional that wants a highly accurate, easy-to-use, single function RTD temperature. It is a kind of calibrating RTD temperature transmitter instrument. It can measure and simulate various type RTD. It can also simulate and test resistance. calibrator the KT-1810 is the ideal test tool.

Features

- Accuracy:0.05%Rdg
- Measure output temperature of thermal resistance
- May simulate output of thermal resistance
- Automatic identification of three-wire or four-wire connection mode
- Perfect performance on waterproof protection: IP67 grade
- In case of connecting 220V with automatic over voltage protection function.
- With manual stepping, automatic stepping and 0 ~ 100% output of phase step and ramp function
- LED with white backlight
- Using environment temperature:-18℃~55℃
- Store environment temperature:(-20 – 60)℃
- Relative humidity :0~ 90RH No condensation



- Weight: 0.35Kg
- Size: 185mm×93mm×47mmm
- Power supply: 6 R03-modle rechargeable batteries or power adapter
- communication mode: RS232

Function	Measure	Source
DC V	0~30V	Not available
Resistance	0~3200Ω	0~3200Ω
RTD	Pt100, Pt1000, Cu50, Cu100	Pt100, Pt1000, Cu50, Cu100
Others	Stepping output, ramp, phase step output, user-defined range	

Standard Accessories



hard spot test leads (one sets) One 12V/1A power adaptor 6 LR03-model (size 7)



KT-1814 Hand-held Thermocouple Calibrator integrates measurement and output of voltage, mV signal, thermocouple into one. With LED, the data could be showed more clearly.

Features

- Accuracy: 0.05%Rdg
- Output of DC mV and simulation of thermocouple output.
- Voltage, DC mV and thermocouple measurement.
- Thermocouple(TC) measurement provides cold-junction compensation.
- Manual stepping, automatic stepping, 0~100% phase step and slope output
- Support for PC communication



- Using environment temperature: -18°C~55°C
- Store environment temperature: (-20 – 60)°C
- Relative humidity : 0~ 90RH No condensation
- Weight: 0.35Kg
- Size: 185mm×93mm×47mm
- Power supply: 6 R03-model rechargeable batteries or power adapter
- communication mode: RS232

Function	Measure	Source
DC V	0~30 V	Not available
DC mV	0~100 mV	0~100 mV
Thermocouple	E,J,K,T,B,R,S,N	E、J、K、T、B、R、S、N
Others	Stepping output, ramp, phase step output, user-defined range	

Standard Accessories



hard spot test leads (one sets) One 12V/1A power adaptor 6 LR03-model (size 7)



KT-1810 Temperature Calibrator

KT-1810 Temperature Calibrator integrates measurement and source of voltage, mV, resistance, simulate thermocouple and simulate RTD into one. It feature in high precision, high resolution and reliable. With big LED display, it is easy to operation, with firm structure, small and convenient. It is designed specifically for the Process industry with broad workload coverage and unsurpassed accuracy in mind.



Features

- Accuracy: 0.05% Rdg
- It allows you to measure DC V, DC mV, resistance, TC and RTD.
- Outputs resistance, simulation of TC and RTD.
- Thermocouple (TC) measurement provides cold-junction compensation.
- Manual stepping, automatic stepping, 0~100% phase step and ramp output.
- Super-strong protection : The waterproof grade is IP67. Automatic protection against the signal terminals connect to the 220V.
- Support for PC communication
- Using environment temperature: -18°C~55°C
- Store environment temperature: (-20 – 60)°C
- Relative humidity : 0~ 90RH No condensation
- Weight: 0.35Kg
- Size: 185mm×93mm×47mm
- Power supply: 6 R03-model rechargeable batteries or power adaptor
- communication mode: RS232

Function	Measure	Source
DC V	0~30V	Not available
DC mV	0~120mV	0mV~100mV
Resistance	0~3200Ω	0~3200Ω
RTD	Pt100, Pt1000, Cu50, Cu100	Pt100, Pt1000, Cu50, Cu100
TC	E,J,K,T,B,R,S,N	E,J,K,T,B,R,S,N
Others	Stepping output, ramp, phase step output, user-defined range	

Standard Accessories



hard spot test leads (one sets) One 12V/1A power adaptor 6 LR03-model (size 7)



KT-1825 multifunction calibration tools designed to calibrate almost anything. These calibration tools source and measure almost all process parameters. It can measure and source resistance, current, frequency, thermal resistance, thermocouple and these second instrument etc.

Features

- Accuracy: 0.05%Rdg
- A split-screen display. The upper display allows you to measure volts, current (with loop power), resistance and continuity test. The lower display allows you to measure and source volts, current, resistance temperature detectors (RTD), thermocouples (TC), frequency, and ohms.
- Calibrates a transmitter using the split-screen.
- The measure of thermocouple provides automatic reference junction
- Automatic and manual cold end temperature compensation for TC.
- Manual stepping and automatic stepping and ramping.
- Super-strong protection: The waterproof grade is IP67.
- Automatic protection against the signal terminals connect to the 220V.
- Support for PC communication
- Using environment temperature: -18°C~55°C
- Store environment temperature: (-20~60)°C
- Relative humidity :0~ 90RH
No condensation
- Weight: 0.65Kg
- Size: 200mm×96mm×47mm
- Power supply: 6 R03-model rechargeable batteries or power adapter
- communication mode: RS232



Function	Measure	Source
DC V	0~50V (the upper display ± 30V)	0~10V
DC mA	0~24mA (the upper display ± 24mA)	0~24mA
Frequency	1.000Hz ~ 100.00kHz	0.00Hz~20.000kHz
Resistance	0~3200Ω	0~3200Ω
DC mV	0~100mV (the upper display ± 200mV)	0~100mV
RTD	Pt100, Pt1000, Cu50, Cu100	Pt100, Pt1000, Cu50, Cu100
TC	E, J, K, T, B, R, S, N	E, J, K, T, B, R, S, N
Others	Loop supply, Step, Ramp, Dual display	

Standard Accessories



hard spot test leads (two sets) One 12V/1A power adaptor 6 LR03-model (size 7



KT01 Liquid Level Transmitter

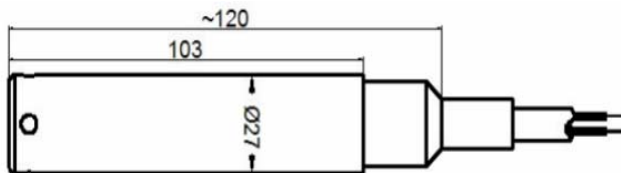
KT01 liquid level transmitters are consisting of well-sealed immersing oil-filled liquid level transducers and special circuit for manometers. Have characteristics of high precision, good stability, long life and easy to fix. Adopt special sealed configuration, so with good capability of anti-leakage. according the relation between pressure, density and liquid level, the liquid level transducers measure the liquid pressure which in direct ratio with depth of liquid, then via amplificatory circuit, the measured pressure is transferred to standard 4~20mA current signal(or standard voltage signal).



Feature:

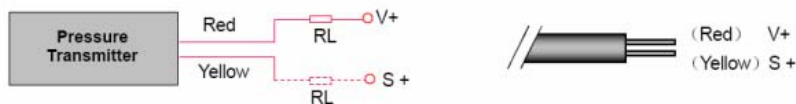
- ◆ Range: 0~0.6 mH₂O...0~200 mH₂O
- ◆ Sealed structure: IP68.
- ◆ Accuracy: 0.1% FS, 0.25% FS (standard)
- ◆ There is two kinds of connector to be chosen: intracavity or flush membrane type
- ◆ Integrated construction, without external adjustment.

Dimensions: (unit: mm)

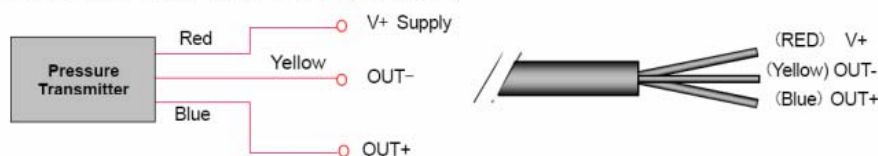


Electrical connection:

Two-conductor 4~20 mA



Three-conductor 1~5V; 0~5V; 0~10V, (customizable)





Technical Specifications

Measuring media	Liquid which are compatible to 316L stainless steel	
Measuring range	mH ₂ O	0-0.6,0-1.0-2,0-5,0-10,0-20,0-30,0-50,0-100,0-150,0-200
Overload pressure	%F.S	150%
Signal output	Transmitter mA 2 wires	4-20mA
	Transmitter Vdc 3 wires	0-5V,1-5V,0-10V 0-20 mA
Power supply	Vdc	12-36(Standard24Vdc)
Static accuracy	%F.S	±0.1, ±0.25(Standard)
Zero adjustment	%F.S	≤±0.25
Span Zero adjustment	%F.S	≤±0.25
Long time stability	<±0.1F.S/year (>20mH ₂ O) ±10mm(≤20mH ₂ O)	
Response	ms	<2
Store temp.	°C	-40~+100
Operation temp.	°C	-20~+80
Compensated temp.	°C	-10~+60
Temp coefficient of zero	%F.S/10°C	≤0.2
Temp coefficient of span	%F.S/10°C	≤0.2
Insulation resistance	MΩ	≥500@100Vdc
Load resistance	Current output Ohm	250-1100
	Voltage output Ohm	>5000
Environmental protection	IP rating	IP68
Pressure membrane material	316L stainless steel	
Material for housing	Stainless steel (1Cr18Ni9Ti)	
Electrical connection	Connector/Cable ,that is Φ4-Core ,7.6mm shielded cable with vent pipe which is mechanically strong enough for deep submersible liquid level measurements	

※Ordering code: model- Measuring range-signal output-accuracy-the length of cable .

Example:KT01-0/20mH₂O-4/20mA-0.25%FS-25m



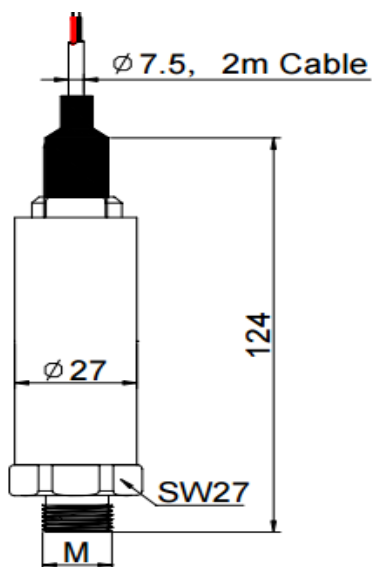
KT03D Pressure Transmitter



Feature:

- ◆ Have the characteristics of high precision, high reliability, good stability, long working life.
- ◆ Accuracy can be chosen by customers.
- ◆ Good waterproof ability, IP 68.
- ◆ Easy to install.
- ◆ Small in size, light in weight.
- ◆ Pressure connection is able to chosen by customers.
- ◆ Suitable for measuring gases and liquids.

Dimensions: (unit: mm)



M: pressure connector can be chosen by customers

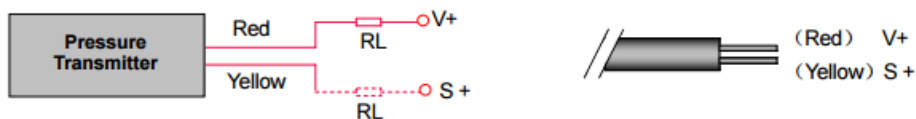


Technical Specifications

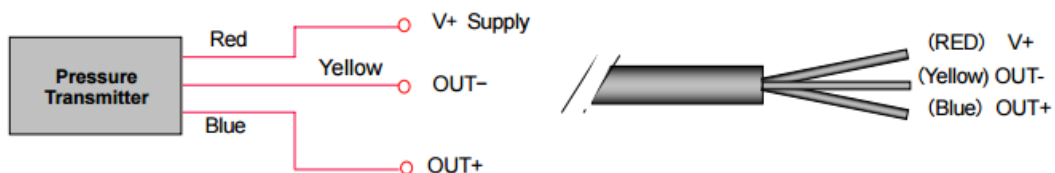
Measuring media	Gases or liquids which are compatible to 316L stainless steel	
Measuring range	-100~0KPa, 0~5KPa...0~500KPa...0~100MPa	
Pressure type	Gauge(G),Absolute(A),Sealed(S)	
Signal output	transmitter, mA (2 wires)	4~20mA
	transmitter, Vdc (3 wires)	0~10V, 0~5V, 1~5V, 0~20mA
Combined accuracy	%FS	±0.25(Standard), ±0.5 (Max)
Long stability	±0.1%FS/year (Standard) ; ±0.2%FS/year (Max)	
Power supply	Vdc	12~36 (Standard 24Vdc)
Compensated temp.	°C	-10~+60
Operating temp.	°C	-20~+80
Temperature coefficient of ZERO	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(> 100Kpa)
Temperature coefficient of SPAN	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(> 100Kpa)
Insulation resistance	MΩ	>500 @ 100Vdc
Electrical connection	Directly lead	
Material	Housing Material	Stainless steel (1Cr18Ni9Ti)
	Material of diaphragm	316L Stainless steel
Pressure connection	G1/4, M20x1.5, M14x1.5, M12x1, M10x1(Customized)	
Environment protection	IP	68
Safe overload	%FS	150
Ultimate overload	%FS	200

Electrical connection

Two-conductor 4~20 Ma



Three-conductor 1~5V; 0~5V; 0~10V, (customizable)



Ordering code: model- range & type-signal output-accuracy-pressure connection-electrical connection-defend grade-the other requests.

Example: KT03D-0/300KPaG-4/20mA-0.25%FS-M20x1.5 -IP68-2m



KT03A Pressure Transmitter



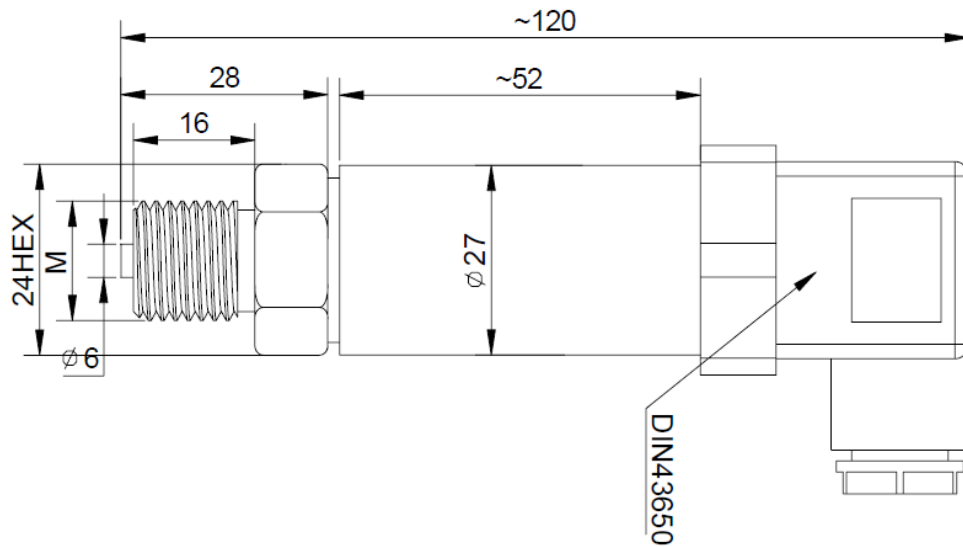
Model: KT03A

Range: -100~0KPa, 0~5KPa....0~500KPa....0~100 MPa

Feature:

- ◆ Have the characteristics of high precision, good stability, long working life and high reliability.
- ◆ Easy to installation.
- ◆ Small in size, light in weight.
- ◆ Pressure connection and Electrical connection are able to chosen by customers.
- ◆ Suitable for measuring the gases and liquids.

Dimensions: (unit: mm)



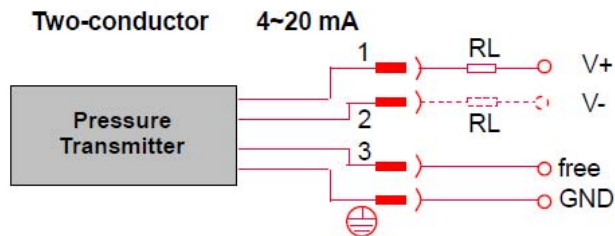


Technical Specifications

Measuring media	Gases or liquids which are compatible to 316L stainless steel	
Measuring range	-100~0KPa, 0~5KPa...0~500KPa...0~100MPa	
Pressure type	Gauge(G),Absolute(A),Sealed(S)	
Signal output	transmitter, mA (2 wires)	4~20mA
	transmitter, Vdc (3 wires)	0~10V, 1~5V, 0~5V,0~20mA
Combined accuracy	%FS	±0.25(Standard), ±0.5 (Max)
Long stability	±0.1%FS/year (Standard) ; ±0.2%FS/year (Max)	
Power supply	Vdc	12~36 (Standard 24Vdc)
Compensated temp.	°C	-10~+60
Operating temp.	°C	-20~+80
Temperature coefficient of ZERO	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(>100Kpa)
Temperature coefficient of SPAN	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(>100Kpa)
Insulation resistance	MΩ	>500 @ 100Vdc
Electrical connection	DIN43650, Aviation connector, Directly lead (Selectable)	
Material	Housing Material	Stainless steel (1Cr18Ni9Ti)
	Material of diaphragm	316L Stainless steel
Pressure connection	G1/4, M20x1.5, M14x1.5, M12x1, M10x1 (Customized)	
Environment protection	IP	65
Safe overload	%FS	150
Ultimate overload	%FS	200

Electrical connection:

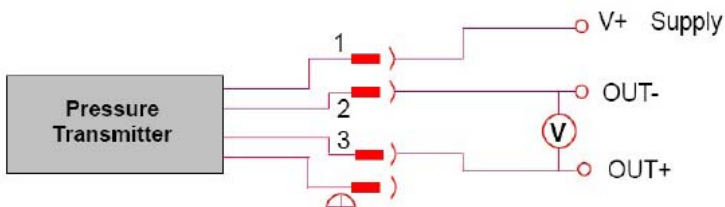
Two-conductor 4~20 mA



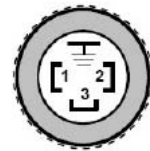
Pro-Linker



Three-Conductor 0~5V; 1~5V; 0~10V



Pro-Linker



※Ordering code: model- range & type-signal output-accuracy-pressure connection-electrical connection-defend grade-the other requests.

Example: KT03A-0/300KPaG-4/20mA-0.25%FS-M20x1.5-DIN43650-IP65-***



KT02B Pressure Transmitter



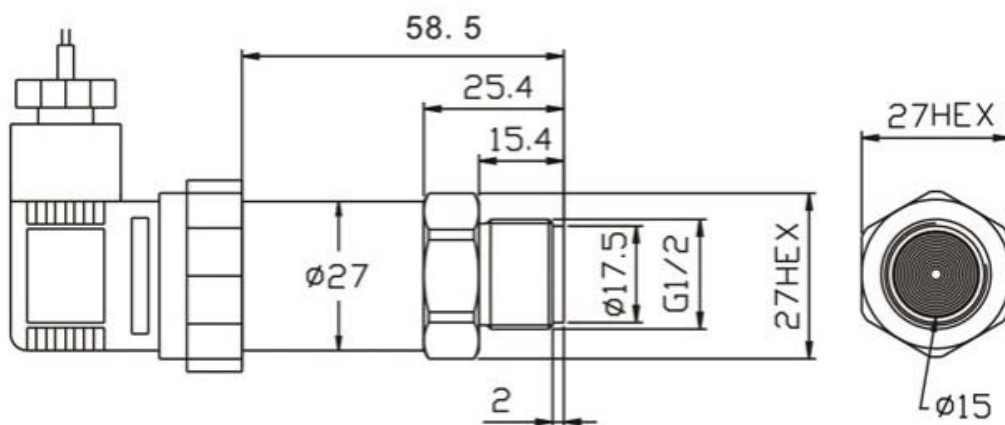
Model: KT02B

Range: -20~0KPa, 0~5KPa...0~500KPa...0~20 MPa

Feature:

- ◆ flush membrane type pressure transmitters
- ◆ Have the characteristics of high precision, good stability, long working life and high reliability.
- ◆ Small in size, light in weight, Easy to installation.
- ◆ Pressure connection and Electrical connection are able to chosen by customers.
- ◆ Suitable for the measuring and produce of medical treatment, food equipment.

Dimensions: (unit: mm)





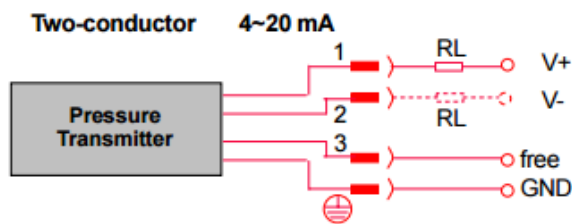
Technical Specifications

Measuring media	Gases or liquids which are compatible to 316L stainless steel	
Measuring range	-20~0KPa, 0~5KPa...0~500KPa...0~20 MPa	
Pressure type	Gauge(G),Absolute(A),Sealed(S)	
Signal output	transmitter, mA (2 wires)	4~20mA
	transmitter, Vdc (3 wires)	0~10V, 1~5V, 0~5V,0~20mA
Combined accuracy	%FS	±0.25(Standard), ±0.5 (Max)
Long stability	±0.1%FS/year (Standard) ; ±0.2%FS/year (Max)	
Power supply	Vdc	12~36 (Standard 24Vdc)
Compensated temp.	°C	-10~+60
Operating temp.	°C	-20~+80
Temperature coefficient of ZERO	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(>100Kpa)
Temperature coefficient of SPAN	%FS/10°C	±0.3%FS(≤100Kpa) , ±0.2%FS(>100Kpa)
Insulation resistance	MΩ	> 500 @ 100Vdc
Electrical connection	DIN43650, Aviation connector, Directly lead (Selectable)	
Material	Housing Material	Stainless steel (1Cr18Ni9Ti)
	Material of diaphragm	316L Stainless steel
Pressure connection	G1/2 or M20x1.5	
Environment protection	IP	65
Safe overload	%FS	150
Ultimate overload	%FS	200

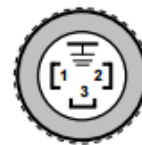
Electrical connection:

Two-conductor 4~20 mA

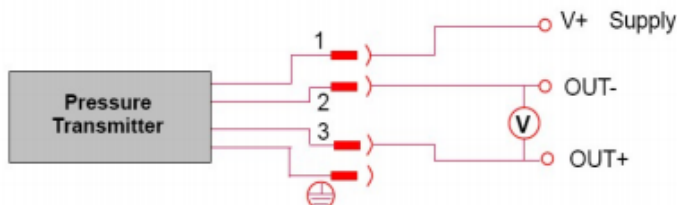
Electrical connection:



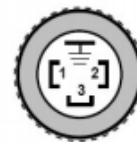
Pro-Linker



Three-Conductor 0~5V; 1~5V; 0~10V



Pro-Linker



Ordering code: model- range & type-signal output-accuracy-pressure connection-electrical

connection-defend grade-the other requests.

Example: KT02B-0/300KPaG-4/20mA-0.3%FS-M20x1.5-DIN43650-IP65-***



KT03C Pressure Transmitter



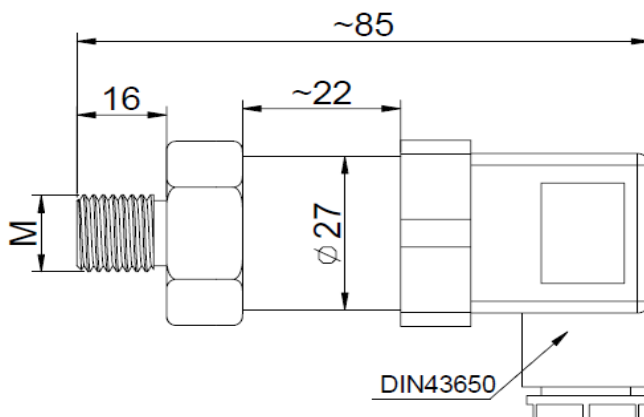
Model: KT03C

Range: 0~0.5MPa, 0~0.6MPa, 0~1MPa, 0~1.6MPa, 0~2MPa, 0~2.5MPa, 0~3MPa, 0~4MPa, 0~5MPa, 0~10MPa, 0~16MPa, 0~20MPa

Feature:

- ◆ It has a strong corrosion resistance
- ◆ Good stability
- ◆ Integral structure, easy installation
- ◆ Be suitable for a wide range of using
- ◆ The range of medium temperature: -20°C~100°C
- ◆ The range of high temperature: -30°C~150°C (Customized)
- ◆ Adopting high precision components, it's will to work in the harsh environment

Dimensions: (unit: mm)

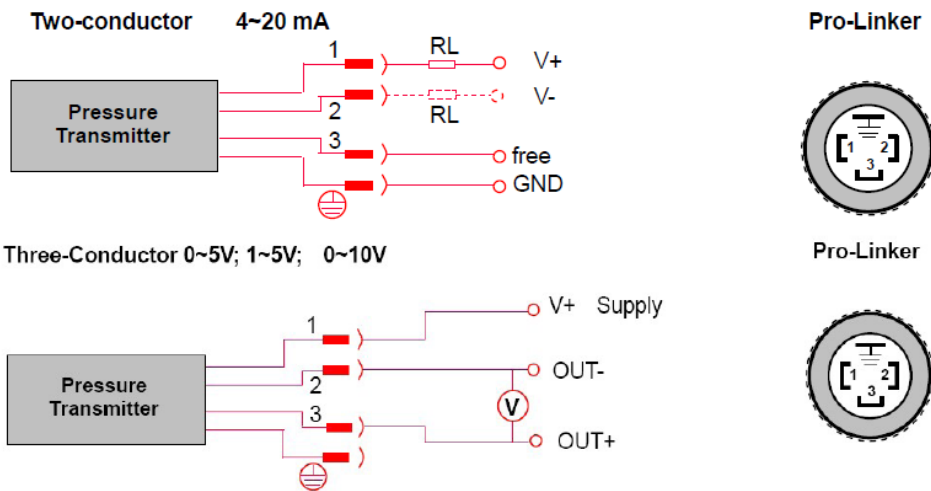




Measuring media	Gases or liquids which are compatible to 316L stainless steel	
Measuring range	0~0.5MPa, 0~0.6MPa, 0~1MPa, 0~1.6MPa, 0~2MPa, 0~2.5MPa, 0~3MPa, 0~4MPa, 0~5MPa, 0~10MPa, 0~16MPa, 0~20MPa	
Pressure type	Gage pressure	
Signal output	transmitter, mA (2 wires)	4~20mA
	transmitter, Vdc (3 wires)	0~5V, 0~10V, 1~5V, 0~20mA
Combined accuracy	%FS	±0.5(Standard), ±1 (Max)
Long stability	≤±0.2%FS/year	
Power supply	Vdc	12~36 (Standard 24Vdc)
Compensated temp.	°C	-10~+60
Operating temp.	°C	-20~100
Temperature coefficient of ZERO	%FS/10°C	≤±0.3
Temperature coefficient of SPAN	%FS/10°C	≤±0.3
Insulation resistance	MΩ	>500 @ 100Vdc
Electrical connection	DIN43650	
Material	Stainless steel	
Pressure connection	G 1/4, ZG1/4, M20×1.5, M14×1.5 (Customized)	
Environment protection	IP	65
Safe overload	%FS	150
Ultimate overload	%FS	200

Electrical connection:

Electrical connection:



※Ordering code: model- range&type-signal output-accuracy-pressure connection-electrical connection-defend grade-the other requests.

Example: KT-03C-0/16MPaG-4/20mA-0.5%FS-G1/4-DIN43650-IP65-**



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