



江苏杰创科技有限公司
JIANGSU JIECHUANG SCIENCE AND TECHNOLOGY CO.,LTD



Company Introduction

Jiangsu Jiechuang Science And Technology Co.,Ltd is a highly reputed organization dedicated to manufacturing high-quality pressure and temperature calibrator products. During considerable development, our products have already been widely used in the industries of power, chemical, petrol, metallurgy, metering, etc.

Based on our excellent performance, we have joined in setting industry standard for product safety, operability, durability and reliability in China. Besides, our company has been accredited to ISO9001:2008 international quality management system certification since its standardized operation. Furthermore, CE approval is also smoothly passed.

Jiechuang has already achieved good accomplishment in China and has expanded to the world market depending on its constantly reliable performance. In addition, competitive price, swift delivery and good service play an important role in our company's success. Our worldwide representatives and sales network always help customers enjoy more professional calibration products and solutions.

We sincerely hope to work with worldwide customers and create a better future together!

Application



Oil&Gas Application



Power Plant



Lab Calibration



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JC-YBS-DQ-P Pneumatic type Handhold Pressure Calibrator

Product Overview

JC-YBS-DQ Handhold type pressure calibrator is a kind of calibration instrument with pressure source , it has the function of pressure calibration , current calibration and DC 24V power output , and is mainly used in calibrating pressure transmitter(differential pressure) , general (digital) pressure gauge and other pressure instruments .



Product Features

- Exclusive metal housing , which is stable and shock-resistant
- Hand made pressure -95kPa to 2 MPa
- Spare pars of pressure source are designed clearly , it has good airtight , and reach IP54 .
- Positive displacement micro-pressure regulator , which is easily to realize calibration the pressure
- Pressure /vacuum switch option which is easy to switch over
- Back light function , and continue work without enough light
- Pressure,current /pressure measurement , with DC24V loop power supply, field inspection , all in one .

Technical Parameter

Application Condition

Power supply : external :AC220V ,50Hz

Built-in:6 V Lithium ion battery

Temperature : $(20\pm 20)^{\circ}$ C(If over this range , the accuracy Will be affected)

Humidity:(0 to 80)%RH

Environment : without dust , noncorrosive

Pressure interface :

External interface: M20*1.5

Built-in interface: M10*1.0 insertion spout

It can be customized .

Measurement range , Resolution , Accuracy

Item	Measurement Range	Resolution	Accuracy
Pressure	$\pm 4kPa$, $\pm 10kPa$, $\pm 25Kpa$, $\pm 60Kpa$, $\pm 100kPa$, -100 to $250kPa$, $0-600kPa$, $0-1.0Mpa$, $0-1.6Mpa$, $0-2MPa$	Min 1 Pa	0.05% F.S ,0.1% F.S
Current	0-22mA	1 μ A	0.02%F.S
Voltage	0-10V	1mV	0.02%F.S

Note: The measuring range can be extended to 60MPa with external pressure module .

JC-YBS-DQ-H Hydraulic type Handhold Pressure Calibrator

Product Overview

JC-YBS-DQ Handhold type pressure calibrator is a kind of calibration instrument with pressure source , it has the function of pressure calibration , current calibration and DC 24V power output , and is mainly used in calibrating pressure transmitter(differential pressure) , general (digital) pressure gauge and other pressure instruments .



Product Features

- Exclusive metal housing , which is stable and shock-resistant
- Hand made pressure 0 to60 MPa
- Spare pars of pressure source are designed clearly , it has good airtight , and reach IP54 .
- Positive displacement micro-pressure regulator , which is easily to realize calibration the pressure
- Pressure /vacuum switch option which is easy to switch over
- Back light function , and continue work without enough light
- Pressure,current /pressure measurement , with DC24V loop power supply, field inspection , all in one .

Technical Parameter

Application Condition

Power supply : external :AC220V ,50Hz

Built-in:6 V Lithium ion battery

Temperature : $(20\pm 20)^{\circ}$ C(If over this range , the accuracy Will be affected)

Humidity:(0 to 80)%RH

Environment : without dust , noncorrosive

Pressure interface :

External interface: M20*1.5

Built-in interface: M10*1.0 insertion spout

It can be customized .

Measurement range , Resolution , Accuracy

Item	Measurement Range	Resolution	Accuracy
Pressure	$\pm 4kPa$, $\pm 10kPa$, $\pm 25Kpa$, $\pm 60Kpa$, $\pm 100kPa$, $-100to$ $250kPa$, $0-600kPa$, $0-1.0Mpa$, $0-1.6Mpa$, $0-2MPa$	Min 1 Pa	0.05% F.S ,0.1% F.S
Current	0-22mA	1 μ A	0.02%F.S
Voltage	0-10V	1mV	0.02%F.S

Note: The measuring range can be extended to 60MPa with external pressure module .

JCTX-2010/JCTX-1810 Temperature Calibrator

Product Overview

JCTX-2010/JCTX-1810 temperature calibrator is a kind of hand-held, battery powered calibration instrument which can measure and output various temperature signal, such as voltage, resistance, thermocouple, RTD etc. It has the advantage of big back light display with high brightness, easy operation, solid structure, small size, light weight, low cost, wide application. It can be applied in instrument workshop, calibrating lab, metrology room as an idea calibration instrument for process control instrument.



Features

- Super-strong protection, waterproof IP67, automatic protection against the signal terminals connect to 220V
- Measuring the temperature of RTD and thermocouple
- Analog thermocouple and RTD output
- Manual stepping, automatic stepping, 0~100% phase step and ramp output
- With white LED back light, and automatic closeness for backlight and power, suitable for field application

Technical Parameter

Application Temperature: -10 to 55° C Storage Temperature: -20 to 60° C

Weight: 350g Outsize: 185*93*47mm

Function

Function	Measuring range	Accuracy	
		JCTX-2010	JCTX-1810
Voltage	0~30.000V	0.02%+2	0.05%+2
MV	-10.00mV~120.00mV	0.02%+2	0.05%+2
Resistance	0.00 Ω ~ 440.00 Ω	0.02%+5	0.05%+5
	400.0 Ω ~ 3200.0 Ω	0.02%+2	0.05%+2
TC	J,K,T,E,R,S,B,N		
RTD	Pt100,Pt1000,Cu50,Cu100		

Output Index

Function	Measuring Range	Accuracy	
MV	-10.00mV~120.mV	JCTX-2010	JCTX-1810
Resistance	10.00 Ω ~440.00 Ω ~400.0 Ω ~3200.0 Ω	0.02%+2	0.05%+2
TC	J,K,T,E,R,S,B,N	0.02%+2	0.05%+2
RTD	Pt100,Pt1000,Cu50,Cu100		

JCTX-2025/JCTX-1825 Multi-functional Process Calibrator

Product Overview

It is a kind of high accurate hand hold signal measurement and output instrument .

Features

- Super protection function :IP67 waterproof ,if there is any signal end misconnection to 220V , it will protect automatically
- Measurement/output : Current/voltage , frequency ,resistance , the current signal output is supported by source or without source
- Analog thermocouple and RTD by temperature
- Can analog two wires transmitter
- Accuracy :0.02%(JCTX2025),0.05%(JCTX-1825)
- Manual operation and automatic operation ,0-100% phase step and rake ratio output function
- With white LED back light , and manual adjusting back lishg function as well as automatic closeness function
- With DC24V loop power supply



Measuring Index

Function	Measuring Range	Accuracy	
		JCTX-2025	JCTX-1825
Current	0~60.000V	0.02%+2	0.05%+2
Voltage	0~24.000mA	0.02%+2	0.05%+2
MV	-10.00mV~120.00mV	0.02%+2	0.05%+2
Resistance(2/3 wire)	0.00 Ω ~440.00 Ω	0.02%+5	0.05%+5
	400.0 Ω ~3200.0 Ω	0.02%+2	0.05%+2
Frequency	1.000Hz ~99.999Hz	0.01%+1	0.02%+1
	100.00Hz~999.99Hz		
	1000.00Hz~9999.99Hz		
	10.000Hz~99.999Hz		
Thermocouple	J,K,T,E,R,S,B,N		
RTD	Pt100,Pt1000,Cu50,Cu100		

JCTX-2012/JCTX-1812 Thermal Resistance Calibrator

Product Overview

Thermal resistance calibrator (RTD calibrator) is a kind of handheld calibrator , used for calibrating RTD , voltage & mV signals. It can simulate and measure different kinds of RTD as well as resistance .

Features

- Super-strong protection function:IP67 protection , 220V automatic protection in case of wrong connection at any signal terminal
- It allows you to measure voltage, resistance, and RTD.
- Outputs resistance, simulation of RTD.
- Manual stepping, automatic stepping, 0~100% phase step and ramp output.
- Support for PC communication
- Accuracy : 0.02% (JCTX-2012) , 0.05%(JCTX-1812)
- Manual stepping and automatic stepping available , 0-100% phase step and slope output function
- With white LDE back light , manual backlight adjustment and automatic power off function , suitable for site use .
- Support Pt 100 , Pt1000 , Cu50 , Cu100
- Identify automatically wiring ways of 3 -wires and 4 wires



Measuring Index

Function	Measuring range	Accuracy	
		JCTX-2012	JCTX-1812
Voltage	0 to 30.000V	0.02%+2	0.05%+2
Resistance	0~3200 Ω	0.02%+2	0.05%+2
RTD	Pt100, Pt1000, Cu50, Cu100		

JCTX-2014/JCTX-1814 Thermocouple Calibrator

Product Overview

It is a kind of handheld calibrator , integrating measurement and output of TC, voltage & mV signals . It is with LED backlight to facilitate the application under dim light at sites .

Features

- Super-strong protection function:IP67 protection , 220V automatic protection in case of wrong connection at any signal terminal
- Analogue output of thermocouple in the format of temperature
- Accuracy : 0.02% (JCTX-2014) , 0.05%(JCTX-1814)
- Manual stepping and automatic stepping available , 0-100% phase step and slope output function
- With white LDE back light , manual back light adjustment and automatic power off function , suitable for site use .
- With battery cover , convenient for battery replacement
- Automatic and manual cold end temperature compensation available for measurement and output of thermocouple
- New thermocouple types to be increased as per customer's requirements



Measuring Index

Function	Measuring range	Accuracy	
		JCTX-2014	JCTX-1814
Voltage	0-30.000V	0.02%+2	0.05%+2
Millivolt	-10.00mV to 120.00mV	0.02%+2	0.05%+2
Thermocouple	J,K,T,E,R,S,B,N		

Output Index

Function	Measuring range	Accuracy	
		JCTX-2014	JCTX-1814
Millivolt	-10.00mV to 120.00mV	0.02%+2	0.05%+2
Thermocouple	J,K,T,E,R,S,B,N		

JCTX-2015/JCTX-1815 Current/Voltage Calibrator

Product Overview

It is a kind of hand hold calibrator instrument which has combined the output signal and measuring signal V,mV ,mA,HZ as one . It features high accuracy , high resolution and high reliability . It is adopted with big LCD display with clear reading , meanwhile it is equipped with the function of adjustable back light and automatic cutoff . It can be powered by DC or AC which is easy to use .



Features

- Super-strong protection function:IP67 protection , 220V automatic protection in case of wrong connection at any signal terminal
- Measure/output : Voltage , current ,frequency , Millivolt ; current output can support active mode and passive model .
- Accuracy : 0.02% (JCTX-2015) , 0.05%(JCTX-1815)
- Can simulate 2 wire transmitter
- Manual stepping and automatic stepping available , 0-100% phase step and slope output function
- With white LDE back light , manual back light adjustment and automatic power off function , suitable for site use .
- With battery cover , convenient for battery replacement
- Provide 24 VDC loop power for local debugging .

Measuring Index

Function	Measuring range	Accuracy	
		JCTX-2015	JCTX-1815
Current	0-24.000mA	0.02%+2	0.05%+2
Voltage	0-30.000V	0.02%+2	0.05%+2
Millivolt	-10.00mV to 120.mV	0.02%+2	0.05%+2
	1.000Hz to 99.999Hz		
Frequency	100.00Hz to 999.99Hz	0.01%+1	0.02%+1
	1000.0Hz to 9999.9Hz		
	10.000kHz to 99.999 kHz		

JC601 Digital Pressure Gauge & JC 108 Digital Pressure Gauge

JC601 Digital Pressure Gauge adopts micro power components and unique software processing technology. Adopting Li-battery power, it could work 24 hours continuously for at least one year. With 5-digit large crystal screen, the data could be showed more clearly. Every JC 601 has passed the high and lower temperature aging thus to ensure more reliable precision. The product has been used in the industries of power, chemical, petrol, metallurgy, metering, etc.



Features

- Low Power Consumption: 1pc disposable 3.6Vdc lithium battery
- 5-digit large LCD with backlight function
- 9 Pressure Units selectable
- Zero point, full scale calibration function
- Adopting the special software treatment technology, it is unnecessary to preheat
- RS232 Communication Port can communicate with PC
- Temperature compensating ● Overload alarm function
- % indication with bar graph scale for visual reference
- Stainless steel bottom connection for robustness
- Equipped with rugged aluminum alloy cover

Specifications

JC 108 Digital Pressure Gauge without current, voltage, pressure switch measuring, hart function. Other specifications are the same with JC 602 Intelligent Pressure Calibrator.

- Accuracy: $\pm 0.05\%F.S.$, $\pm 0.1\%F.S.$, $\pm 0.2\%F.S.$, $\pm 0.5\%F.S.$
- Units kPa, Pa, psi, kgf/cm^2 bar, mbar, mmH₂O, mmHg, MPa
- Temperature compensating range (0-50) °C
- Range: (-1-0)bar, (0-700)bar, (any range within this two range)
- Display: 5 digits with 14mm character height
- Connection: M20×1.5, or 1/4"NPT male thread (or customized)
- Dimensions: $\Phi 93mm \times 41mm$
- Weight: 0.5kg ● Height: 134mm



JC 602 Intelligent Pressure Calibrator

Intelligent Pressure Calibrator has the double-line large screen with backlight. It can meet customers' requirement in the 6-digit display and 9 pressure units. It provides pressure measurement for calibrating pressure (differential pressure) transmitters, precision (general) pressure gauges and other pressure instruments. It has been used in the industries of power, chemical, petrol, metallurgy, metering, etc



Features

- Equipped with rugged ABS plastic
- Pressure-transmitting medium including air, oil, and water
- 6-digit LCD screen with backlight
- Nine pressure units selectable
- 7.4Vdc rechargeable lithium battery and special charger
- Overload and short circuit protection
- Rapid in operation, compatible with computer software
- With max and mix values function
- Zero point, full scale calibration function
- Light weight, small size, easy operation
- Support Hart Version 5

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- Pressure-transmitting medium including air, oil, and water
- Nine pressure units selectable
- 7.4Vdc rechargeable lithium battery and special charger
- Light weight, small size, easy operation
- With max and mix values function

Specifications

- Range:(-1-0)bar,(0-2500)bar,(See the pressure ranges selection sheet)
- Accuracy:±0.025%F.S,±0.05%F.S,±0.1%F.S,±0.2%F.S,±0.5%F.S
- Current measurement: (0-25)mA
- Voltage measurement: (0-25)V
- Temperature compensating range:(-10-50)°C
- Power supply:7.4Vdc Lithium battery power supply and special charger
- Connection:M20×1.5 or 1/4"NPT male thread(or customized)
- Accuracy:±(0.02%R.D+0.005%F.S)
- Accuracy:±(0.02%R.D+0.005%F.S)
- DC output:DC24V(≤30mA) Accuracy: ±1%F.S
- Dimensions:Φ95mmx49mm.

JC700 Micro Pressure Calibration Pump

JC 700 Micro Pressure Calibration Pump is made from high quality and transparent plexiglass material. The operation of piston inside can be seen clearly. The whole structure is more intuitive and compact. This instrument is specially designed to generate micro pressure from vacuum to 0.5bar. The F-adjust valve could accomplish 0.01mbar pressure resolution. JC 700 is a very stable Micro Pressure Calibrator. the design of relieve valve makes the system return to zero pressure quickly. two standard pressure outputs are easy to connect gauges under test without using the wrenches. the differential port also may connect gauges under test by hose. It widely calibrates micro pressure instruments in field and laboratory.

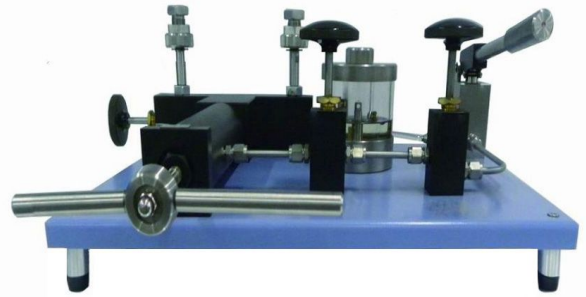


Specifications

- Generated pressure range:(-0.5-0.5)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
 - Differential port for connect gauges under test by hose
 - Weight:2.55kg
 - Dimensions:260L×180W×60H(mm)

JC 706 Hydraulic High Pressure Calibration Pump

JC706 Hydraulic High Pressure Calibration Pump is generated pressure up to 1600bar 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 250bar 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)bar **Working media:**25#Transformer oil
 - **Adjust resolution:** 1kPa (10mbar)
- 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

JC802 Pneumatic Pressure Calibration Pump

Product Description

JC802 **Pneumatic pressure calibration pump** 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.

Functions

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



Technical Specification

- Generated pressure range: (-0.95~40/60)bar
- Working media: Air
- Adjust resolution: 10Pa(0.1mbar)
- Material: Body: Stainless steel /Aluminium
Seals:Buna-N
- Output interface connection: M20×1.5Female
- Weight:2.7kg
- Dimensions:286L×198W×140H (mm)

JC805 Hydraulic Pressure Calibration Pump

Product Description

JC805 Hydraulic pressure calibration pump 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
- Working Medium: 25# Transformer oil, distilled water medium selectable
- Adjust resolution:0.1kPa
- Material : Body:Stainless Steel/Aluminium
Seals:Buna-N
- Output Interface: M20*1.5 Female

- Weight:2.6kg

- Dimension (L×W×H): 210mm×210mm×140mm

Functions

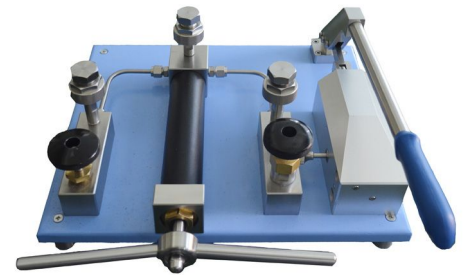
It provides pressure for calibrating pressure gauges, such as pressure (different pressure) transducers, precision pressure gauges, general pressure gauges and other pressure gauges. It can be widely used in power, chemical, petrol, metallurgy, metering, military industry, etc.

Characteristics

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

JC820 Pneumatic Vacuum Pressure Calibration Pump

JC820 Pneumatic Pressure Comparison Pump is designed with a reverse valve, generated pressure from vacuum to 140bar. 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. Non-external pipe makes the system avoid the effects of environmental changes. Especially the lever lead screw design makes user operate in economize labor. It widely calibrates pressure instruments in the laboratory.



Specifications

- **Generated pressure range:** (-0.95~140)bar
- **Working media:** Air
- **Adjust resolution:** 10Pa(0.1mbar)
- **Material :**
- **Body:**Stainless Steel/Aluminium
- **Seals:**Buna-N
- **Output interface connection:**
- **M20×1.5**Female
- **Weight:**14.5kg
- **Dimensions:**380L×198W×140H (mm)

JC810 Hydraulic Pressure Calibration Pump

Product Description

JC810 Hydraulic pressure calibration pump 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 250kPa 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.



Technical Specification

- Generated pressure range: (0~600)bar,(0~700)bar
 - Working media: 25#transformer oil, distilled water medium selectable
 - Material : Body:Stainless Steel/Aluminium
- Seals:Buna-N
- Adjust resolution:0.1kPa
 - Output interface connection: M20×1.5Female

- Weight:14.9Kg
- Dimensions:430L×330W×170H (mm)

Functions

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

- 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

JC821 Pneumatic Pressure Calibration Pump

Product Description

JC821 Pneumatic pressure calibration pump 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 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.

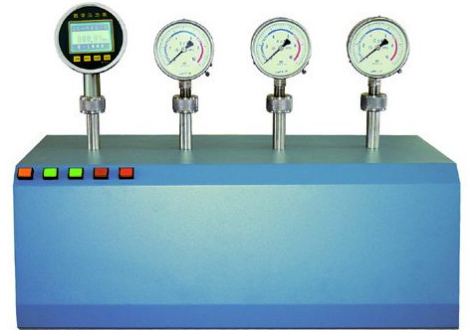
Characteristics

- 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

JC-YDJ-Q Electric Type Pressure Calibrator

Product Overview

Electric pressure calibrator is the calibration equipment which can produce pressure by electricity, The measuring range is $-95\text{kPa}\sim 1\text{Mpa}$, and it is mainly used for the calibration of pressure gauge which accuracy is below 0.05% F.S. If customer need to calibrate the digital pressure gauge, pressure transmitter, differential pressure transmitter, pressure controller, then they should choose the precise digital pressure module. The whole calibration process can be carried out by operating the button when the pipe has been connected by manual.



This electric pressure pump is the main part for the calibrator, another hardware is used to make pressure, measure pressure, and control pressure. If you need the automatic control, you need to order our mating equipment and control software. The electric pressure making produced by the calibrator can replace the manual pressure making with the advantage of short time and steady speed. When using, the pressure can be controlled by the keyboard in the panel, the operator only record the test data by manual. It will save the operator from heavy manual work. To improve the performance for the calibrator, we will update the hardware or software without notification. We ask for your understanding if there is some difference between our manual book and the products.

Feature

- Small size, portable, and ideal tools for field calibration
- Three types pressure modification, which is large, small and reset, it can hold the pressure at measuring point in the range of requirement.
- Updated into automatic electric pressure calibrator, at any time by the matching software and optional accessory
- Clear operation panel, easy operation
- Wide measuring range
- Various optional standard device and test module

Main Technical Parameter

Measuring range : hydraulic : $-95\text{kPa}\sim 1\text{Mpa}$

Dimension: $800*450*500\text{mm}$

Pressure wave range : 0.05% F.S/5s

Shift : $< 0.01\%$ F.S/Year

Temperature: 15 to $35\text{ }^{\circ}\text{C}$

No dust ,no corrosive gas and liquid.

Output interface: four $\text{M}20*1.5$

Weight: 25Kg

Power Consumption : $< 500\text{VA}$

Power supply : AC $220\pm 10\%$ 50 Hz

Humidity: 0 to 80% RH

JC-YBS-DT 8 way Multi-function Calibrator

Overview

JC-YBS-DT Multi-function Calibrator is standard table instrument , it is adopted 1 main unit with signal module (max 8 way) , each signal is totally insulated , and can work simultaneously . And Clients can choose the module as their requirement , this avoid waste and can add any module at any time . Various way communication , support Rs232,Lan,USB,GPIB , meet differential application demand .



Main Unit Feature

- 1.Display :4.3” colorful LED display (resolution 480*272)
- 2.Module numbers supporting :8way , insulation with each other
- 3.Display way : Single way , 2 way , 4 way , 8 way optional , support loop display (the interval time can be set)
- 4.Input type : Support entry value , remove cursor , and turn button , three input type
- 5.Support % display
- 6.Support history datagraphic display
- 7.Support Max , Min , average value display
- 8.Support measurement value lockedup
- 9.Support Output , such as stepping ,phase step ,fixed-point etc
- 10.Friendly man-machine conversation interface , easy operation , software can be updated by clients .
- 11.Support various type interface functions , support clients’ secondary development .
- 12.Data memory : about 10000 group data memory storage function
- 13.Support logical condition response between modules, response speed is 100ms , the response speed with outside I/O is 20 μ s
- 14.Communication method : standard RS232 , LAN , USB , GPIB is optional , communication protocol is free supply
- 15.Power supply : 220 V.AC \pm 10%, 50HZ as standard , 100/110V.AC \pm 10% as optional
- 16.Consumption for Main unit : 5 W for one unit , 10 W when use USB

Allowable max consumption for modules : Max 10 W for one way module , Max 20W for 8 way modules

Signal Module Technical Parameter

(All the terminal support 220 VAC , 36 VDC misconnection , and have self recover function when short circuit)

Module Name	Model	Function	Range (Resolution)	Accuracy(%)	Max Consumption
Current Measurement & Output Module	30P01	Current output	0~30 mA (0.0001 mA)	0.05+0.005	2W
		Current measurement	-30mA~30 mA (0.0001 mA)		
Current Measurement &Output Module	30P02	Current output	Same as “30P01”	0.02+0.005	2W
		Current measurement			
Voltage & Resistance Measurement and Output Module	30P03	Voltage Measurement	-200mV~200mV (0.001mV) -2V~2V (0.00001V) -10V~10V (0.0001V) -100V~100V (0.001V)	0.05+0.005	1.5W
		Voltage Output	-15mV~200mV (0.001mV) 0V~11V (0.0001V)		
		Resistance Measurement	0~450 Ω (0.001 Ω) 420 Ω ~4500 Ω (0.01 Ω)		
		Resistance Output	0~450 Ω (0.001 Ω) 420 Ω ~4500 Ω (0.01 Ω)	0.05+0.01	
Voltage & Resistance Measurement and Output Module	30P04	Voltage Measurement	Same as “30P03”	0.02+0.005	1.5W
		Voltage Output			
		Resistance Measurement	Same as “30P03”	0.02+0.01	
		Resistance Output			
Frequency Module	30P05	Frequency Measurement	1~99.9999Hz (0.0001Hz) 100~999.999Hz (0.001Hz) 1k~9.99999kHz (0.01Hz) 10k~99.9999kHz (0.1Hz)	0.01+0.005	0.5W
		Frequency Output	0~200.000Hz (0.001Hz) 0~2000.00Hz (0.01Hz) 0~20.0000kHz (0.1Hz)		
Mu-til signal Output	30P06	Voltage Output	-15mV~200mV (0.001mV) 0V~11V (0.0001V)	0.05+0.005	2W

Module		Current Output	0~30 mA (0.0001 mA)		
		Resistance Output	0~450 Ω (0.001 Ω) 420 Ω ~4500 Ω (0.01 Ω)	0.05+0.01	
		Frequency Output	0~200.000Hz (0.001Hz) 0~2000.00Hz (0.01Hz) 0~20.0000kHz (0.1Hz)	0.01+0.005	
Mu-til Signal Measurement Module	30P07	Voltage Measurement	-200mV~200mV (0.001mV) -2V~2V (0.00001V) -10V~10V (0.0001V) -100V~100V (0.001V)	0.05+0.005	1W
		Current Measurement	-30mA~30 mA (0.0001 mA)		
		resistance Measurement	0~450 Ω (0.001 Ω) 420 Ω ~4500 Ω (0.01 Ω)		
		Frequency Measurement	1~99.9999Hz (0.0001Hz) 100~999.999Hz (0.001Hz) 1k~9.99999kHz (0.01Hz) 10k~99.9999kHz (0.1Hz)	0.01+0.005	
Thermodynamic Mu-til Signal Output Module	30P08	Voltage Output	Same as “30P06”, add thermocouple J、K、T、E、R、S、 B、N, RTD Pt100、Pt1000、Cu50、 Cu100	0.05+0.005	2W
		Current Output			
		Voltage Output		0.05+0.01	
		Frequency Output		0.01+0.005	
Thermodynamic Mu-til Signal Measurement Module	30P10	Voltage Measurement	Same as “30P07”, add thermocouple J、K、T、E、R、S、 B、N, RTD Pt100、Pt1000、Cu50、 Cu100	0.05+0.005	1W
		Current Measurement			
		Voltage Measurement			
		Frequency Measurement	0.01+0.005		
I/O Module	30P12	I/O Signal	8 ways switching valuse input signal , response time is <20μs		0.5W
Power output module	30P13	Power output	200mA 0-36V adjustable , max load current is 200mA		8W

HART475 Communicator

HART475 HART® Hand Held Communicator is a hand-held type communicator based on HART® protocol, which could perform configuration, management, maintenance and adjustment to all HART® compatible instruments. HART475 uses 3 AA alkali batteries, working time: above 80hrs, or 3 AA NiH rechargeable batteries, working time: about 33 hrs.



Interface & Specifications

- In conformity with HART® Protocol (HCF)
- Operating mode: two way semi-duplex 1200bit/s
- Receivable common mode voltage: $\pm 40V$
- HART ® Communication distance <1500m
- Isolation mode: isolation between HART® communication interface and power supply
- Isolation overload voltage: 500Vrms
- Back light TFT LCD screen
- Operating Temperature: $0^{\circ}C \sim +50^{\circ}C$
- Dimension: 228mm(L)×98mm(W)×60mm(H)

Functions

- To perform test, diagnosis and inspection of HART® instrument during production
- To perform configuration, calibration, diagnosis, maintenance and monitoring of online HART® instrument
- To acquire manufacturer information of online HART® instrument
- To realize the operating status and failure information of the HART® instrument
- To read output current and process variables of the instruments
- To read sensor related parameters and output values

Performances

Fully support all HART® main stream instruments, include Rosemount, Yokogawa , Siemens, Fuji Smart Pressure Transmitter etc.

HART375 HART Hand Held Communicator

HART375 HART® Hand Held Communicator is a hand-held type communicator based on HART® protocol, which could perform configuration, management, maintenance and adjustment to all HART® compatible instruments. HART375 uses 3 AA alkali batteries, working time: above 100 hrs; or 3 AA 1000mAH NiH rechargeable batteries, working time: 43 hrs



Interface & Specifications

- In conformity with HART® Protocol (HCF)
- Operating mode: two way semi-duplex 1200bit/s
- Receivable common mode voltage: $\pm 40V$
- HART® Communication distance $< 1500m$
- Isolation mode: isolation between HART® communication interface and power supply
- Isolation overload voltage: 500Vrms
- Operating Temperature: $0^{\circ}C \sim +50^{\circ}C$
- TFT LCD screen
- Dimension: 228mm(L) \times 98mm(W) \times 60mm(H)

Functions

It is mainly used in the industry field to perform configuration, management, maintenance and adjustment to HART® instruments, and meantime monitor the process variables of the running instruments.

- To perform test, diagnosis and inspection of HART® instrument during production
- To perform configuration, calibration, diagnosis, maintenance and monitoring of online HART® instrument
- To acquire manufacturer information of online HART® instrument
- To realize the operating status and failure information of the HART® instrument
- To read output current and process variables of the instruments
- To read sensor related parameters and output values

Performances

Fully support all HART® main stream instruments, include Rosemount, Yokogawa, Siemens, Fuji Smart Pressure Transmitter etc.

Hart Modem with USD Universal

Feature

1. Operating temperature: 0 to 50 C
2. Economical and easy-to-use
3. Galvanic isolation

Application

Designed for HART transmitter developers and users.
Fully compliant any HART instrument with a PC.
Can be directly connected to the USB serial port in the PC.

FOR

pressure transmitters, temperature transmitters, flow meters, Liquid level instruments, calibration instruments, etc.

Technical data

Power supply: no external supply required
Galvanic isolation: 1500VDC isolation between instrument and computer
Humidity: 0-95% (no-condensing)
Pins to HART device: 2-banana plug, polarity insensitive test clips
Connector : USB connector
Enclosure: 70 mm×45 mm×18 mm
Operating temperature: 0 to 50 C
Storage temperature: -40 to 80 C
Operating system: Windows 95/98/ME/2000/XP

Installation and connection

To connect the USB connector to the USB serial port on PC, and please NOTE the serial port which is connected must be comply with the HART software is configured to use.
Then Connect the two clips to the HART device or HART loop.
The Send/ Receive LED indicators will indicate by turns if it is working well. The hart protocol requires a loop resistance between 230 and 600 ohms, typical 250 ohms.

Housing

Weight app. 125 g(include cable)

Modem Dimensions 60 x 45 x 14 mm

