

Notes for the User Manual:

- If there is any change in this manual, no notice and will be corrected at any time. When consulting, the latest version shall prevail.■If the user finds any errors or omissions in the user manual, please contact the company.
- The Company does not bear the accidents and hazards caused by user errors.
- The functions described in this user manual are not a reason for using the product for special purposes.

warn

Read the safety instructions before using the smart pressure tester

To avoid electric shock, injury, damage to intelligent pressure calibration or other equipment, strictly follow all equipment safety

regulations!●●Intelligent pressure calibration must be used in this User Manual (User's Manual). Check the intelligent pressure calibration before use. Do not use it if it is damaged.

●Before using the smart pressure tester, make sure that the battery cover is tight.

●Pay special attention to the use of environmental requirements, do not be in explosive gas

●The AC / DC power adapter for the intelligent pressure calibration instrument is the DC 9V 3A adapter and cannot be used otherwise

Power adapter, otherwise the use of problems and instrument damage will cause the factory certification of the intelligent pressure calibration instrument failure.

●Each intelligent pressure calibrator needs a single special AC / DC 9V 3A power adapter

Use one AC / DC power adapter to power multiple intelligent pressure check detectors, which will cause abnormal instrument function and damage.

●If you use the intelligent pressure calibration meter AC / DC power adapter, and you do not use the meter for a long time, please dial it down

The source plug disconnects the power supply and turns off the power switch. To achieve the complete power failure of the intelligent pressure calibration instrument, to avoid long-term power supply caused by over-discharge battery damage.

●Press the power button to shut it down first. If you are using an AC / DC power adapter, please dial it down

The source plug is power-disconnected. Install the instrument into a dedicated instrument box.

- If the battery is insufficient, please charge the battery as soon as possible to avoid possible abnormal use.

The meter must be stopped before the battery is fully filled.

- The smart pressure calibrator uses an 8.4V rechargeable lithium battery. make sure the battery is installed correctly.
- When cleaning the operating panel of the meter, if you are using an AC / DC power adapter, please remove the power plug

Open the power supply.Wipe the outer surface of the instrument with a soft, clean cloth. Do not feed the inside of the intelligent pressure tester.

- Do not disassemble the instrument, otherwise it will cause the factory certification of the intelligent pressure calibration instrument failure.
- If the instrument starts to smoke, emit pungent smell, or have any other abnormal problems, please stand

Press the power button to power down and remove the battery. If you are using an AC / DC power adapter, dial down the power plug to disconnect the power supply, and then, contact the supplier to detect the meter.

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I. Product Brief introduction

1.1 General Information

YZQ-120H intelligent pressure calibrator is a high precision single range with HART protocol, with a full range pressure measurement, high accuracy DC current, voltage measurement and 24VDC power output function of the instrument. This product is powerful, built-in manual operator function, can verify the HART intelligent pressure transmitter; built-in pressure module, can switch with the external module; two-point calibration, convenient for user operation; data backup, powerful data error correction function. It can be used to verify the ordinary (precision) pressure gauge, pressure transmitter, pressure regulating valve, pressure switch and pressure real-time measurement, and can debug the HART intelligent pressure transmitter.

1.2 Standard Equipment List

The equipment shown in the following list are included in the package of your complete smart pressure calibration and its related accessories:

- | | |
|---|--|
| ●Intelligent pressure calibration host: | A |
| ●cell: | The 8.4V rechargeable lithium battery has been installed in the battery box at the factory |
| ●user's manual: | 1 This |
| ●AC / DC Power Adapter: | One model: YJ-18W DC 9V 3A |
| ●General serial port line: | One root model: Z-TEK USE 2.0 to RS 232 |

(Accessories need to be purchased separately, please refer to this user manual and its separate user manual for specific instructions)

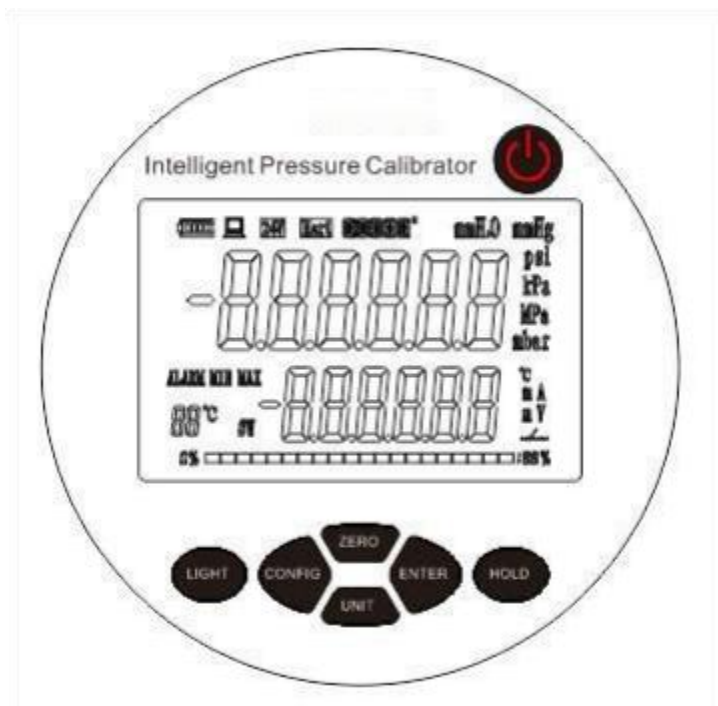
.31. Technical indicators

- Pressure unit: Pa, kPa,, MPa, mmH₂O, mmHg, bar, mbar, ps i; display:
LCD white backlight, double-row of digital display;
- Overpressure warning: If the pressure exceeds 110% FS, the buzzer in the table will alarm the current LCD pressure;
- Working environment: Temperature: -10°C to 50°C;
- Compensation temperature: 0°C to 50°C;
- Storage temperature: -20°C 70°C;
- Power supply: 8.4V rechargeable lithium battery and 9V power adapter;
- Communication interface: RS232;

- Size: meter head $\Phi 114\text{mm}$ 39mm, total length 180mm;
- Weight: 0.6kg;
- Pressure connection: M201.5 or customized;
- Recalibration period: one year (recommended);

2. Panel and configuration description

.1Appearance of 2 YZQ-120H Intelligent Pressure Check panel (see Figure 2-1)



2-1 YZQ-120H

2.2 Introduction of panel button function



Button: Press and hold this button, and the YZQ-120H will first display the meter range, and display the pressure value after releasing the button. The YZQ-120H is already equipped with batteries upon shipment and therefore works immediately. The YZQ-120H will automatically remember the unit last set by the user, and will continue to run from the last running mode and the pressure unit used again.



Button: Press this button causes YZQ-120H to select the next available unit of pressure measurement. Press this key continuously to cycle and switch the local set units (Pa, kPa, MPa, mmHg)₂O、mmHg、bar、mbar、psi)。



Button: Press this button to immediately turn on the backlight of the display screen. When pressing this button again, the instrument back Light closed.



Button: Press this button to enter the menu operation.



Button: Press this button to switch the current, voltage and switch volume measurement.



Button: Press, press this button, and YZQ-120H removes the currently displayed pressure value as the zero drift value. If after zero, the next boot is the state after zero. Connect YZQ-120H to the atmosphere through connecting joint.



Button: Press this button to detect and adjust the pressure transmitter with the HART protocol.

2.3 Introduction of key function during data input:

- A.  Key: Data modification entry key
- B.  Key: Data modification confirmation key.
Data cycle key, data from 0~9 cycle.
- C.  Key: Data is not stored for confirmation key.
Data cycle key, data from 9~0 cycle.

When the user uses the button, the LCD prompts the user to enter or modify a certain parameter value. Users can follow the following steps:

- (1) In the LCD status, press LIGHT, and the first character of the data flashes.



- (2) Do not need to modify the value of the flashing bit, please skip to step (3).

To modify the value of the flashing bit, press LIGHT or ENTER to select the value the user wants, and the data bits cycle from 0 to 9 or 9 to 0.

After the data flicker bit is modified, please skip to step 1 (3).

Description: When the decimal point flashes, press ENTER to clear the decimal point in the previous position. Press the LIGHT to clear the decimal point. After adjusting, please jump to step 1 (3).



- (3) Press the CONFIG again to flash the next character.



(4) Repeat the (2)(3) step until the last bit is modified.



(5) After the last bit is modified, press the CONFIG key, and the storage selection dialog box appears. Press the LIGHT to save the modified data. Press the ENTER to discard the data modification.



.42. Introduction of the key function during the menu operation

- A.  Key: Return to the previous level menu.
- B.  Key: Go to the next level of the menu.
- C.  Key: Enter the menu.

Three, wiring instructions

- 24V: 24V, power supply
- GND: Public Place
- mA: current measurement termin
- V: Voltage measuring terminal
- SW: The switch quantity measurement terminal



Description of the connection to the transmitter:

24V: The transmitter power supply is positive;
The mA: Power supply is negative.

Four, the introduction of the basic functions

.14. Power supply is on / off



Press the button to on or off YZQ-120H, the instrument will first self-test and then display the instrument range.

Figure 3-1.



.24. Pressure and electrical measurement data measurement



Press the button to enter the pressure measurement menu, including:

percentage icon, pressure measurement value, pressure

Force unit, electrical measurement data.

The electrical test data is switched by ENTER and the key, followed by current, voltage and switching quantity.

Note: The memory data is set to the factory calibration value. If the pressure exceeds 110% FS, the table buzzer will always alarm. To prevent the sensor damage, release the pressure immediately.

Figure 3-2 shows the pressure measurement menu.



4.3 Zero clearance

(1) Gauge pressure type:

Connect the YZQ-120H to the atmosphere through the joint. If the current pressure is in the range of range (-1% 1%), press the " ZERO button to adjust the zero step. Figure 3-3 shows the pressure gauge going to zero



(2) Absolute pressure type:

The ① connects the YZQ-120H to the atmosphere, and the user should know the current atmospheric pressure value (P standard);

② Press the "ZERO" button to enter the data input state, so please enter the actual pressure (P standard);

③ Pressure measurement in the menu, measured pressure change (P standard). Now, the zero-setting process is complete.

4.4. Pressure unit

Press the UNIT button to switch between different pressure units. The sequences are used for Pa, kPa, MPa, and mmH₂O、mmHg、bar、mbar、psi

The conversion relationship of all pressure units is the table below.

P a	kPa	MPa	mmH ₂ O	m mHg	b ar	m bar	p si
1000	1	0.001	102.047	7.50061	0.01	10	0.1450377

4.5 Backlighting

Press LIGHT to turn the backlight on / off.

4.6. Peak detection

Figure 3-6 shows the recorded maximum / minimum peak.



4.7% pressure

The ♦% display: displays the percentage of the current pressure;

♦ scale chart: 0% 100%, with a minimum scale of 5%;

For example: the YZQ-120H range is (01000) kPa, if the current pressure value is 100kPa, the percentage indication is 10%, see figure 3-7



.84. Overpressure alarm

When the current pressure is outside the low / high limit range, the buzzer inside the pressure monitor always calls out to warn. The measurement interface displays the current pressure.

4.9 Restore the factory settings

In the case of user error, the instrument can be restored to normal operation by restoring the factory settings.

- 1) In the measurement state, press CONFIG key twice and ENTER key 3 times to display the restored factory setting state; FACT menu appears, and then press CONFIG key again, CODE menu appears.



- 2) Press the "CONFIG" key once and enter the password 12345; (When you enter the number, press the LIGHT key to clear the decimal point.)



3) After entering the last digit, press the CONFIG key again to enter the storage interface, and press the "LIGHT" key to select OK

Recognfy and restore the backup data of the manufacturer;



4) Press "LIGHT" key 3 times to return to the display measurement interface.

V. Introduction to the calibration function

Calibration conditions:

●●Environment: Temperature: $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$, relative humidity: (45-75)%;
atmospheric pressure: (86106) Thousand Pa calibration equipment: pressure
standard equipment above level 0.02. Two calibration must be positive
Make sure of connecting the pressure standard equipment and give the
pressure correctly.

Warning: Users must have knowledge of pressure standard equipment and
YZQ-120H intelligent pressure calibration operation. Under normal
circumstances, the two-point calibration can meet the accuracy requirements.
If multipoint calibration is required, calibration without modifying the
multipoint calibration standard pressure value.

.15 Two-point calibration

Note: When operating two point calibration, first low point
calibration and then high point calibration. Do not only calibrate
the low or high points, the high and low points must be calibrated.

.1.15 Low-point calibration

1) If the intelligent pressure calibration work is required, it must be above
level 0.02.

- 2) If the lower limit of the instrument is -100kPa, modify the low point value of the instrument to the local negative pressure value that can be drawn, such as -90kPa or -95kPa.
- 3) In the measurement state, press the CONFIG key once to display the entered configuration state;



- 4) Press the ENTER key once to enter the two-point calibration state;



- 5) Press the CONFIG key once to enter the low point calibration menu; press the LCD pressure value and add the standard device pressure to the standard pressure value. For example: 0kPa, then the standard device pressure is 0kPa. If -100kPa, the gauge pressure is -100kPa.



- 6) Press the CONFIG key once to enter the low point calibration state, and the first bit of data flashes;



- 7) Wait for the pressure to be in a steady state.

Press the CONFIG key until the last digit enters, press the CONFIG key again to enter the storage interface, and press the LIGHT key to save the modified data. Press the ENTER to discard the data modification.



.1.25 High point calibration

- 1) After the low point calibration, press the ENTER key to enter the high point calibration state;



2) Press CONFIG key once to enter the high point correction state; press the pressure of the LCD

Add to the standard pressure value. For example, for the liquid crystal display of 400kPa, the standard device pressure is 400kPa.



3) Wait for the pressure to be in a stable state.

Press CONFIG until the last digit and CONFIG after the last digit

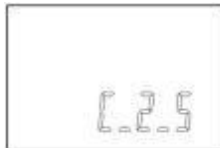
Key, enter the storage interface, press LIGHT to save the modified data. Press the ENTER to discard the data modification.



4) If you press the "LIGHT" key twice, return to the display measurement interface.

.25 Clear the two-point calibration data

- 1) If the user makes operation errors during the two-point calibration, the two-point calibrated data can be cleared by the "clear the two-point calibration data" function.
- 2) Press CONFIG once, "ENTER" once until the two-point calibration menu;
- 3) Press the CONFIG key once and press the "ENTER" key twice to enter the clear two-point calibration data menu. The C_Z_S in the lower right corner of the menu flashes.



- 4) Press CONFIG button to save \ discard interface, press LIGHT key to save clear two-point calibration data; press ENTER key to abandon save clear two-point calibration data.



- 5) Press the LIGHT key 2 times to exit to the display measurement interface.

.35. Restore the reset value data

- 1) If the user wants to view the original data of the instrument zero, he can recover the reset value data through the "restore reset value data" function.
- 2) Press CONFIG once and ENTER once until entering the two-point calibration menu;
- 3) Press the CONFIG key for once and the ENTER key for three times to enter the recovery reset value data menu. The C_ZERO in the lower right corner of the menu flashes.



- 4) Press the CONFIG button to save the \ discard interface, press the LIGHT button to save the recovery reset value data; press the ENTER button to discard and save the recovery reset value data.



- 5) Press the LIGHT key twice to exit to the display measurement interface.

.45. Multi-point calibration

- 1) In the measurement and display interface, press the CONFIG key once to display and enter the configuration state;



- 2) Press "LIGHT" key 2 times to enter the multi-point calibration interface;



3) Press the "CONFIG" key once to enter the pressure calibration point interface;

Note: The calibration points and standard pressure values are not allowed to be modified due to the instrument temperature compensation.



- 3) Press "ENTER" to enter the first pressure calibration interface;



- 4) Press the CONFIG key once, and the data flashes first. Add the pressure of the standard to the standard pressure value at the LCD display, and wait for the pressure to reach a steady state.



- 5) Press CONFIG key until the save \ discard interface, press LIGHT key to save the first point calibration data; press ENTER key to discard to save the first point calibration data;



- 6) Press the ENTER key once to enter the second point pressure calibration interface.



- 7) Press the CONFIG key once, and the data flashes first. Add the pressure of the standard to the standard pressure value at the LCD display, and wait for the pressure to reach a steady state. For example, for the liquid crystal display of 400kPa, the standard device pressure is 400kPa.



- 8) Press CONFIG key until save \ discard interface, press LIGHT key to save the second point calibration data; press ENTER key to save the second point calibration data.



- 9) Repeat the above steps according to the pressure calibration points until all the pressure standard points are calibrated.
- 10) Press the LIGHT key twice to exit to the display measurement interface.

matters need attention:

During the use of the instrument, the displayed value of the pressure calibration may disagree with the actual value due to the following reasons:

Make the user to set the parameters wrong;

Make the user's pressure standard and the manufacturer's pressure standard is different;

Due to the influence of overpressure, overtemperature and temporal drift, the characteristics of the sensor have changed;

There are three ways to choose from:

(1) Restore the manufacturer's backup data: if the user sets the parameters wrongly or sets them wrongly during the calibration, the instrument can be restored to the factory state of the manufacturer by restoring the backup data of the manufacturer.

(2) Two-point calibration: in the case of pressure standard equipment, the product to achieve two-point calibration. Includes low point calibration and high point calibration.

pay attention to:

1) To obtain the highest accuracy, make sure that the pressure value added to the low calibration is equal to the lower limit of the range, and the pressure value added to the high point calibration is equal to the upper limit of the range.

2) In order to obtain the highest accuracy, please do the high point calibration after finishing the low point calibration.

(3) Multi-point calibration: if the user thinks that the linearity of the product cannot meet the accuracy requirements during the two-point calibration, yes

To conduct multi-point calibration of the product within the range range.

Because the product is temperature compensated, the calibration points and the standard pressure values cannot be changed.

.55. Current calibration

.5.15 Current Low point calibration

- 1) If the current calibration work is to be carried out, it must have a high precision current source and more than six and a half digital multi-purpose table. The high-precision current source and digital multimeter are connected in series, the positive input pen is connected to the mA terminal of the pressure tester, and the negative input pen is connected to the GND terminal.
- 2) In the measurement state, press the CONFIG key once to display the entered configuration state;



- 3) Press the "ENTER" key for three times to enter the current calibration state;



- 4) Press the CONFIG key once to enter the low point current calibration menu; and add the output current of the current source to the standard current value. For example: input 0mA, adjust the current source, so that the digital utility table appears as 0.0000mA. If 1mA, the number is displayed as 1.0000mA. This display current value can be modified from the range of the user current source.



5) Press the CONFIG key once to enter the low point calibration state, and the first bit of data flashes;



6) Wait for the input current to be in a steady state.

7) Press CONFIG until the discard interface and press LIGHT to save the current low

Point the calibration data; press the ENTER key to discard the current low point calibration data.



.5.25. Current high-point calibration

- 1) After the current low point calibration, press the "ENTER" key to enter the current high point calibration state;



- 2) Press the CONFIG key once to enter the current peak calibration state; add the output current of the current source to the standard current value. For example, input 25mA to adjust the current source to display the digital multimeter as 25.0000mA. This display current value can be modified from the range of the user current source.



- 3) Wait for the input current to be in a steady state.
- 4) Press CONFIG key until the save \ discard interface, press LIGHT key to save the current high point calibration data; press ENTER key to discard the current high point calibration data.



- 5) Press the LIGHT key twice to exit to the display measurement interface.

.65. Voltage calibration

.6.15. Voltage low-point calibration

- 1) If the voltage calibration work is to be done, there must be high precision voltage source and 6 and a half digital multi-purpose table. The high-precision voltage source and digital multipurpose table are connected in series, the positive input pen is connected to the V terminal of the pressure calibration, and the negative input pen is connected to the GND terminal.
- 2) In the measurement state, press the CONFIG key once to display the entered configuration state;



- 3) Press the "ENTER" key four times to enter the voltage calibration state;



- 4) Press the CONFIG key once to enter the low voltage calibration menu; add the output voltage of the voltage source to the standard voltage value. For example: enter 0V, the short connection of the positive and negative table pen, so that the digital multipurpose table display as 0.0000V. If 1V, the number is displayed as 1.0000V. This display voltage value can be modified according to the range of the user voltage source.



5) Press the CONFIG key once to enter the low point calibration state, and the first bit of data flashes;



6) Wait for the input voltage to be in a steady state.

7) Press CONFIG until save \ discard interface and press LIGHT key to save low voltage

Point the calibration data; press the ENTER key to discard the voltage low point calibration data.



.6.25. Voltage high-point calibration

- 1) After the voltage low point calibration, press the "ENTER" key to enter the voltage high point calibration state;



- 2) Press the CONFIG key once to enter the voltage high point calibration state; add the output voltage of the voltage source to the standard voltage value by pressing the LCD displayed voltage value. For example, input 25V, adjust the voltage source to display the digital multimeter as 25.0000V. This display voltage value can be modified according to the range of the user voltage source.



- 3) Wait for the input voltage to be in a steady state.
- 4) Press CONFIG key until the save \ discard interface, press LIGHT key to save the voltage high calibration data; press ENTER key to discard the voltage high calibration data.



- 5) Press the LIGHT key twice to exit to the display measurement interface.

VI. HART, functional operation

pay attention to:

To use the HART feature, users must have the following conditions:

- 1) The HART pressure transmitter must be switched on, and the HART transmitter must be of the current type.
- 2) The power supply of the transmitter is 24V provided by YZQ-120H.
- 3) 250 Sampling resistance was provided internally by the YZQ-120H.

6.1 HART communication connection mode

Description of connecting the HART transmitter:

24V: The transmitter power supply is positive;

The mA: Power supply is negative.

6.2 Calibrate the HART pressure transmitter steps using YZQ-120H

- Connect the HART pressure transmitter.
- Press HART key long to enter HART, communication state, search for transmitter; after successful search,

The measurement display interface will display the HART

icon. The YZQ-120H will display the pressure transmitter

when the

Before the measurement value, current value, unit, as shown in the figure below.



- After the successful search, the user can perform six functions of HART.

6.3 HART functional operation

The HART function menu is only displayed when connected to the HART pressure transmitter.

.3.16 Read \ Modifies the upper and lower limits

- 1) In the measurement state, press the CONFIG key for once and the ENTER key for 5 times to enter the transmitter range and damping read \ modification menu.



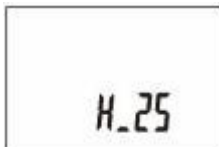
- 2) Press the CONFIG key once to enter the upper and lower limit menu of the transmitter. Modify the upper and lower limits of transmitter data and refer to section 2.3 "Introduction to key function when data input".



3) Press the LIGHT key twice to exit to the display measurement interface.

6.3.3 Read \ Modified damping

- 1) In the measurement state, press the CONFIG key for once and the ENTER key for 5 times to enter the transmitter range and damping read \ modification menu.



- 2) Press CONFIG key once and ENTER key twice to enter the transmitter damping menu. To modify the transmitter damping, refer to section 2.3 "Introduction to Key function on Data Entry".



- 3) Press the LIGHT key twice to exit to the display measurement interface.

6.3.4 Modification unit

In the measured state, press UNIT to switch the transmitter units directly. If the units are not supported by the transmitter,

The default will be to kPa.



3.56 The current value is a zero value

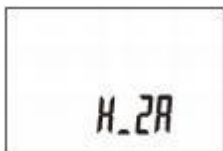
In the measured state, press the ZERO key to directly clear the current transmitter value, and the current transmitter value is displayed

For 0.



.3.6 6 Current test

- 1) In the measurement state, press the CONFIG key for once and the ENTER key for 6 times to enter the transmitter current calibration and test menu.



- 2) Press CONFIG key once and ENTER key twice to enter the transmitter current test menu. The current test points are 4,8,12,16, and 20mA, with a total of 5 test points.



- 3) Press the LIGHT key twice to exit to the display measurement interface

6.3.7 Current calibration

- 1) In the measurement state, press the CONFIG key for once and the ENTER key for 6 times to enter the transmitter current calibration and test menu.



2) Press the CONFIG key once to enter the transmitter current calibration menu.

- 1) First enter the 4mA calibration. When the LCD current value is 4mA, press CONFIG key until the storage \ abandonment interface occurs. Press LIGHT key to save the 4mA calibration value.
- 2) Press CONFIG key to enter the 20mA calibration. When the liquid crystal display current value is 20mA stable, press CONFIG key until the storage \ abandonment interface occurs, and press LIGHT key to save the 20mA calibration value.



- 3) Press the LIGHT key twice to exit to the display measurement interface.

6.3.8 Active migration

- Active migration is a part of the calibration work, and users need to have the basic knowledge of the transmitter operation.●Active operations must have a ressor.
- Active migration steps: first, low point migration, then high point migration. Not just for lows or

High point migration, both must move.

●The current pressure measured by the pressure calibration is taken as the lower limit of the transmitter analog range and corresponds to 4mA

output. When the pressure is stable, perform the active migration operation.

- 1) In the measurement state, press the CONFIG key for once and the ENTER key for 7 times to enter the active migration menu of the transmitter.



- 2) Press the CONFIG key once to enter the transmitter low point active migration menu. Press CONFIG until the Storage \ discard interface appears, and press LIGHT to save the low active migration value.



- 3) Press the ENTER key once to enter the active migration menu of the transmitter peak. Always pressing the CONFIG key,

Press the LIGHT key to save the high active migration value.



- 4) Press the LIGTH key twice to exit to the measurement interface.

Seven, battery use

7.1 Battery instructions

- Once the battery is low, charge in the AC \ DC 9V 3A adapter as soon as possible to avoid the possibility

Caused use exception.

- The YZQ-120H intelligent pressure calibration tester uses a rechargeable 8.4V lithium battery, which is only available

Use the manufacturer's factory configuration of the battery, can not be replaced at will. If the battery is damaged, please contact the manufacturer. Do not replace the battery without permission, otherwise you will bear the consequences.

- Do not disassemble or heat the battery. Do not put the battery into the fire.

7.2 Battery power level and power supply status indication

The battery symbol in the upper left corner of the display window is used to indicate current battery power and battery state at charging.

Under normal state:

1. When the battery power is higher than 7.5V, the battery power is normal, and the battery mark is not displayed.



2. When the battery power is less than 7.2V, the battery power is less than 40%;

3. When the battery power is lower than 6.8V, the instrument closes automatically;

In the  and third cases, please insert the AC \ DC 9V 3A adapter into the charging port and charge in time.

Charging state:



- When the battery power is lower than 7.2V, the battery logo flashes;

- When the battery power is less than 7.5V, the battery power is less than 60%;

3.7. Data storage function

This feature stores one hundred thousand pieces of data

Enter the Settings menu, enter 45678, adjust the storage time, Long press the hart to start the storage,

Enter the Settings menu and enter 56789 export data (this function is a newly developed function, subject to the actual arrival manual)

Viii. Communication Settings

1. Connect the USB-RS 232 adapter to the RS 232 port of the intelligent pressure calibration.

2. Intelligent pressure calibration instrument communication parameters:

Porter rate: 115,200 bps●

●Data bit: 8 bits

●Check position: no

●Stop bit: 1 bit

9. Fault and maintenance

1. The use environment of the instrument shall meet the requirements of this use manual, and the operators can operate according to the use manual.
2. After turning on the power supply, the display screen can display normally. If it does not display, it needs to return to the company for repair.
3. Determine that the display is normal and the pressure range is displayed on the screen. If the displayed range is not consistent with the range on the product label, determine whether the range is modified and modified to the range on the product label.
4. Enter the measurement state, first slowly press the pressure to the full range, and then slowly discharge the pressure to observe whether the pressure value is normal. If there is an abnormal phenomenon, the calibration is required according to the pressure calibration requirements.

IX. Parameter setting before delivery

If the following parameters or functions are not specified in the order contract, they will be set as specified in the following table.

order number	project	Parameters or features
1	Pressure display unit	Set according to the user's order demand
2	Pressure range	Calibrated by the user scale
3	Current range	0~25mA
4	Voltage range	0~25V
5	Pressure alarm value	1.1 times user range
6	Manufacturer data	Backup