

## Description & Features

- Long operating life
- Small thermal effect
- Excellent long-term stability
- Customer-designed applications
- Optional: Exd II CT6, Exia II CT6



## Specifications

**Input pressure range:**  
(-0.1) ~ 100MPa

**Permissible temperatures**

Media: -25~85°C

Environment: -30~85°C

Storage: -40~125°C

**Compensated Rang:**  
0~70°C

**Accuracy class:**  
0.1、0.2、0.5、class

**Pressure Overload:**  
Typical values of 1.5 times full scale pressure

**Protection Class:**  
IP65、IP67

**Connections:**  
Convention G1/2,  
M20\*1.5 or other

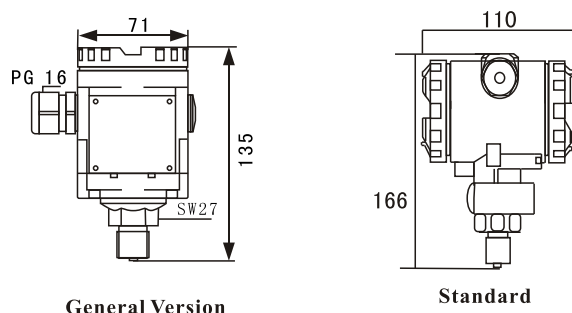
**Installation:**  
Installation Thread

**Output signal:**  
4~20mA(2-wire)  
1~5V  
0~5V  
0~10V (3-wire)

★the technical details of special  
customer made products subject to  
the manufacturer's announcement

## As shown in figure

size: mm

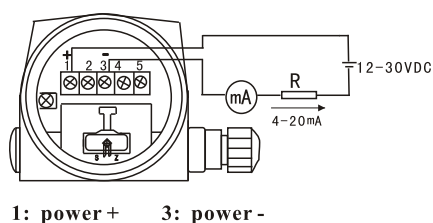


General Version

Standard

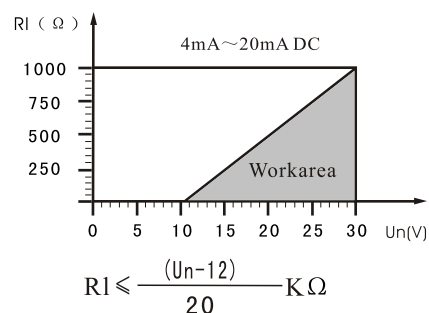
## Electrical connection:

### General Version

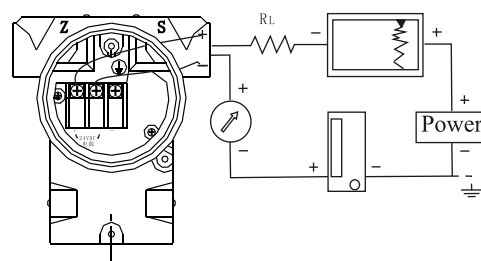


1: power + 3: power -

## Load characteristics:



### Standard



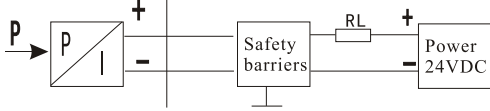
## The intrinsic safety :

ExiaIICT6

[Exia]IICT6

Dangerous place

Safe place

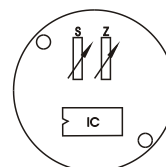


## Warning:

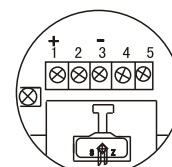
Intrinsic safety transmitter must be used in conjunction with safety barriers, so can be used with the explosive mixture in the use of the risk of occasions. For safety's sake, should distinguish between essential and non-essential safety circuit. And the intrinsic safety circuit wiring and other electrical circuit wiring separate alignment.

Ex- transmitter used in a dangerous place, the transmitter must shell covered tightening to ensure that the use of safety. Should strictly abide by safety regulations, will never be allowed to open the transmitter shell covered in the power.

## Adjustment and calibration:



Standard



General Version

1. Turns on the attachment, reveals two potentiometers: <S>; <Z>.
2. Adjust <Z> potentiometer; Establishes the current pressure for a zero pressure.
3. Adjust <S> potentiometer; Establishes the current pressure for the full scale pressure.

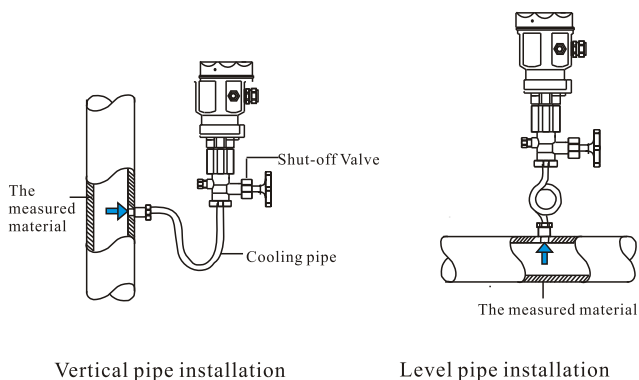


The measuring range and precision of the transmitter have been adjusted to the best according to the customer requirements, generally do not need to recalibration. But the following circumstance need to recalibration.

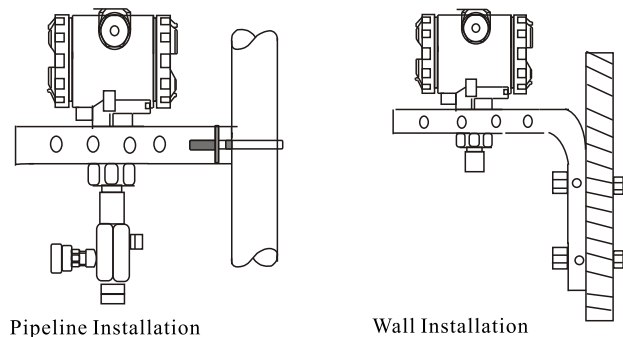
- A. Transport during fall, a strong earthquake and collision.
- B. Be kept for more than a year.
- C. After the long time run, a signal value deviates from the end point of the nominal pressure range.
- D. The routine check of the user.

As shown in figure

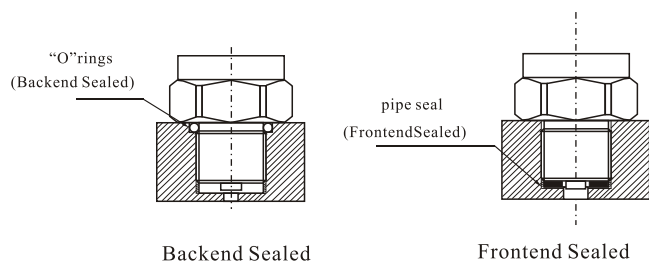
## A、Installation



## B、Fixation



## C、Seal



## Installs request:

### Basic request

- Please check the model, measuring range and work power one consistent with the scene or not.
- Can directly install in the measuring point (free angle), if connection size does not meet the scene size can self-made conversion joint.
- As far as install in the situation of small changes in temperature gradient.
- If measure the steam or other high temperature media, pay attention to the media temperature can not exceed the temperature limit of the transmitter, when necessary, and with the press tube or other cooling device.
- Should be installation of pressrue valve between the transmitter and medium, in order to repair and prevent pressure from mouth to plug the impact of measurement accuracy.

## Maintenance and Trouble shooting:

Check the Instrument's basic instrument regular inspection after the operation, calibrate the zero and change the parts, in order to normal work.

The following table shows the following Common Faults :

Fault	Reasons	Solve
No output	Power polarity and Resistance errors	Voltage and Resistance should be match
	Power polarity errors	Correction
	OutputLoop broken	Connected
Error output more than 100% or 0%	Measurement Loop errors	Check wiring between the transmitter and the second instrument, and whether normal working condition
	The zero the rang and the regulator are damaged	Replace the parts and adjust carefully
	Range rough adjustment position errors	Correction

These methods did not make transmitter normal working, please return to the repair company

## Transport and storage:

- Transmitter is suitable for land, sea transport and freight loading
- Transmitter and Annex in the original packaging factory conditions, stored indoors, its temperature : -20-40℃. not more than 90% relative humidity, and air should not be harmful substances which can cause corrosion Transmitter



## Warning:

One of the following circumstances, the product may not be repaired.

- Measured press exceed the overload capacity of product
- The supplied voltage is more than 45VDC or using the alternating current
- Using hard object to queue the stress diaphragm
- Measuring corrdsviness medium or beer, hydrongen etc.