



Shanghai Zhaohui Pressure Apparatus Co.,Ltd

Add: 5-6F,Building 8,No.115,Lane1276.Nanle Road

Songjiang District Shanghai China

P.C: 201600

Tel: +86-21-67755188,51691919

Fax: +86-21-67755185

E-mail: info@zhyqsensor.com

Web: www.zhyqsensor.com

设计制作 RONGJUE 荣誉传媒 TEL: 13651752080

Best solution for rubber plastic, chemical fiber, polymer...



**PROFESSIONAL
MANUFACTURER OF
PRESSURE SENSOR**



Shanghai Zhaohui Pressure Apparatus Co.,Ltd

Company introduction

Shanghai Zhaohui Pressure Apparatus Co., Ltd (ZHYQ) is the specialized manufacturer with stronger comprehensive strength in China. We dedicate to supply the customers with the best technical support and solutions to meet their requirement, in order to create the extended value and potential increase for our customers.

Founded in 1999, ZHYQ has actively brought in advanced production equipment and manufacturing process at home and abroad, developed and produced the transducers more than 80 series and 500 models successfully, which include industrial pressure transducer, pressure transmitter, melt pressure transducer/ transmitter, melt pressure gauge, temperature transducer, tension transducer/ transmitter, burst Plug, intelligent digital indicator, thick film circuit and all kinds of sensor chips and etc. Besides ZHYQ has passed ISO9001 (2008) Certificate and CE Certificate successively.

ZHYQ insists on the development strategy with High-tech, High Quality, High level service, Creating world name brand, focuses on the challenge and stress attended by the customers, offers the competitive products and service and creates the economic value for the customers persistently. In order to develop new types of transducer, transmitter and automation control products and exploit new market, ZHYQ sincerely would like to cooperate together with the competitor at home and abroad to offer the excellent products and perfect service to the customers in the world.

Feeling with heart, communicating without interruption. Your requirement is our creating power, your satisfaction is the greatest reward and confirmation to us. And we' ll make persistent effort to improve and innovate our technology and service to meet our customers...

Our advantage

With decade experience in the industry, ZHYQ developed more than 80 series products, which fully shows our strength. At the same time, ZHYQ flexibly brings the four kinds of sensor technologies into modern manufacturing to meet various requirements. No matter what the purchase quantity is and what kind of medium or operation condition it faces, we will choose the optimal solution for you at the first time. Besides, we can adopt nearly all kinds of mechanical or electric connector to meet you flexibly, quickly and economically!

Achievements

- The first manufacturer to issue electronic melt pressure transmitter in China
- The first manufacturer to issue Auto-zero adjust melt pressure transmitter in China
- The first manufacturer to issue transmitter in China
- More than 13 years experience in the plastic equipment solution
- Professional R&D engineer team in the industry
- Independent research and development core circuits and components in the industry
- Gain more than 10 national patents in the industry



Standard melt pressure transducer/transmitter



Optional mV/V, V and mA output
 0...500psi to 0...20000psi
 80% internal calibration
 Economically priced

This series designed with rigid stem type, flexible stem type and etc. ZHYQ present the transmitter with their decade achievement in the solution of the domestic plastic machinery. With the improved performance, the series can meet the industry of plastic application thoroughly.

Specifications



Rigid stem style
 PT124G-111
 PT124B-111

Pressure range:	0~500psi~20000psi
Output:	2mV/V, 3.33 mV/V (PT124G series); 4~20mA, 0~10V, 0~5V (PT124B series)
Accuracy:	± 1.0%FS; ± 1.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	5PIN, 6PIN optional
Process connector:	M14*1.5, M18*1.5, other size optional



Rigid stem with thermocouple style
 PT124G-111T
 PT124B-111T
 J, K, E, PT100 optional



Flexible stem style
 PT124G-121
 PT124B-121



Rigid stem with thermocouple style
 PT124G-121T
 PT124B-121T
 J, K, E, PT100 optional



Typical application: Plastic rubber machine, polyester equipment

High precision melt pressure transducer/ transmitter



Accuracy better than 0.5%FS
 0...500psi to 0...20000psi
 Compatible with the products of Dynisco, Gefran
 Special orders could be batch custom-tailored

This series designed with rigid stem type, flexible stem type and etc. ZHYQ present the transmitter with their decade achievement in the solution of the plastic machinery for exporting. ZHYQ also improved the performance and technology, do special treatment to the diaphragm to ensure the long lifetime.

Specifications



Rigid stem style
 PT124G-112
 PT124B-112

Pressure range:	0~500psi to 0~20000psi
Output:	2mV/V, 3.33 mV/V (PT124G series); 4~20mA, 0~10V, 0~5V (PT124B series)
Accuracy:	± 0.25%FS; ± 0.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	6PIN, 8PIN
Process connector:	1/2~20UNF, M18*1.5, other size optional



Rigid stem with thermocouple style
 PT124G-112T
 PT124B-112T
 J, K, E, PT100 optional



Flexible stem style
 PT124G-123
 PT124B-123



Rigid stem with thermocouple style
 PT124G-123T
 PT124B-123T
 J, K, E, PT100 optional



Typical application: Chemical fiber machine, extruder line and rubber and plastic equipment.

Sanitary application melt pressure transducer/transmitter



No mercury filled, pollution-free
 Ranges from 0...1500psi to 0...20000psi
 Optional mV/V, V and mA output
 80% internal calibration

This series designed with rigid stem type, flexible stem type and etc. It is special designed to meet the food extrusion and medical applications, choose the heat medium oil. And the leaking medium is even no harm to health during processing. It meets the world environmental protection level in the area.

Specifications



Rigid stem style

PT124G-113
 PT124B-113

Pressure range:	0...1500psi to 0...20000psi
Output:	2mV/V, 3.33 mV/V (PT124G series); 4-20mA, 0-10V, 0-5V (PT124B series)
Accuracy:	± 0.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	6PIN, DIN optional
Process connector:	1/2-20UNF, M18*1.5, other size optional



Rigid stem with thermocouple style

PT124G-113T
 PT124B-113T

J, K, E, PT100 optional



Flexible stem style

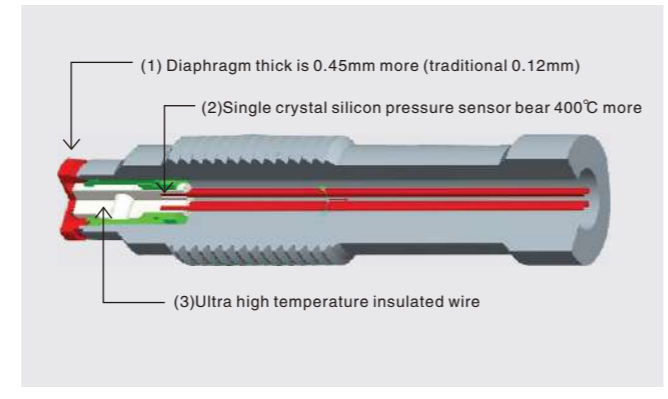
PT124G-122
 PT124B-122



Rigid stem with thermocouple style

PT124G-122T
 PT124B-122T

J, K, E, PT100 optional



Typical application: Food process equipment, pharmaceutical industry and etc.

Auto-zero adjust melt pressure transmitter



Auto-zero adjust and automatic calibration
 Accuracy better than 0.5%FS
 Compatible with the products of Dynisco, Gefran and other
 Special orders could be batch custom-tailored

This series is R&D by ZHYQ independently, absorbing the advanced technology of foreign. It designed with the auto-zero adjust button to get automatic calibration without any other power supply and calibration facility. Thermocouple or RTD configurations are available to provide melt temperature.

Specifications



Rigid stem style

PT124B-112D

Pressure range:	0-500psi-20000psi
Output:	4-20mA
Accuracy:	± 0.25%FS; ± 0.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	6PIN
Process connector:	1/2-20UNF, M18*1.5, other size optional



Rigid stem with thermocouple style

PT124B-112DT



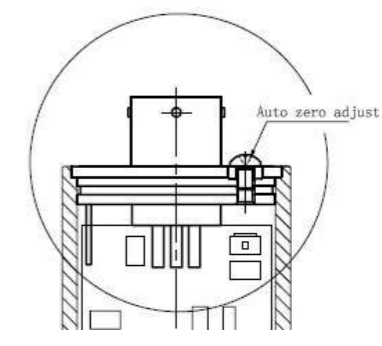
Flexible stem style

PT124B-123D



Flexible stem with thermocouple style

PT124B-123DT



Typical application: Plastic rubber machine, polyester equipment



■ Explosion proof melt pressure transducer/transmitter

Better than 0.5%FS combined error
 0...500psi to 0...20000psi
 Explosion proof, intrinsically safe approved
 Approved for hazardous environments

■ This series designed with intrinsically safety explosion proof function. It is suitable for the hazardous locations. This type absorbs the advanced technology of foreign. Adopts high performance materials and components. It has the character of abrasion resistance, low thermal draft, high accuracy, excellent anti-jamming and etc.

Specifications



Rigid stem style
PT124G-116
PT124B-116

Pressure range:	0-500psi to 0-20000psi
Output:	2mV/V, 3.33 mV/V (PT124G series); 4-20mA, 0-10V, 0-5V (PT124B series)
Accuracy:	± 0.25%FS; ± 0.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	6PIN; 1/2-14NPT conduit with cable
Process connector:	1/2-20UNF, M18*1.5, other size optional
Flange mounting:	Flange I , Flange II



Flexible stem style
PT124G-126
PT124B-126



Flexible stem style
PT124G-125
PT124B-125



Flexible stem with thermocouple style
PT124G-125T
PT124B-125T



Typical application: Chemical fiber manufacturing equipment, plastic rubber machine, polyester equipment and etc.



■ Smart melt pressure transmitter

Accuracy better than 0.5%FS
 HART digital communication
 0...500psi to 0...20000psi
 4-20mA loop-powered output

■ This series designed of intelligent type. PT124B-129/129T comes with LCD display locally. The model PT124B-129T can measure the pressure and temperature at one point. Zero and span adjustable. Use the imported elastic alloy diaphragm. Hart digital communication optional, frequency output, high anti-interference and cost performance.

Specifications



Rigid stem style
PT124G-115
PT124B-115



Flexible stem style
PT124G-129
PT124B-129

Pressure range:	0-500psi to 0-20000psi
Output:	2mV/V, 3.33 mV/V (PT124G series); 4-20mA, 0-10V, 0-5V (PT124B series)
Accuracy:	± 0.25%FS; ± 0.5%FS
Diaphragm material:	15-5 PH SST coated
Diaphragm temperature:	400°C max.
Electrical connector:	6PIN, DIN optional
Process connector:	1/2-20UNF, M18*1.5, other size optional

Melt pressure transmitter



■ Melt pressure transmitter design for space restricted installations

Fits in space restricted areas
 Ideal for injection molding nozzles
 Exposed, bendable capillary
 Special orders could be batch custom-tailored

This series has the structure of capillary leakage and whole type hose. The small probe makes it suitable for space restricted areas applications. It absorbs the advanced technology of foreign, adopting imported materials and component. It has the character of abrasion resistance, low thermal draft, high accuracy, excellent anti-jamming and etc.

Melt pressure gauge



Melt pressure gauge

Direct, local readings
Mechanical design
Step-up and stem-down versions
Customer defined pressure ranges

The mechanical pressure gauges designed with stainless steel structure, no power required, and it is ideal for application requiring simple maintenance free pressure indication. Fiber or polymer pressure is sensed by the diaphragm. Thermocouple or RTD configurations are available to provide melt temperature.

Specifications



Rigid stem style

PT124Y-610

Pressure range:	0~500psi~10000psi
Output:	3.33mV/V, 4~20mA optional (PT124Y-612,615,615T)
Accuracy:	± 1.6%FS
Diaphragm material:	15-5 PH
Diaphragm temperature:	350°C max.
Case material:	stainless with safety glass
Needle sweep:	270°



Rigid stem with thermocouple style

PT124Y-612



Flexible stem style

PT124Y-614



Flexible stem with thermocouple

PT124Y-615T



Typical application: Plastic rubber machine, polyester equipment

Pressure transmitter



Pressure transmitter design for injection molding machine

Ranges from -1~0~2000bar
Optional mV/V, V and mA output
Ideal for injection molding oil pressure measuring
Customer defined pressure ranges

This series adopts high precision and reliability components. Via high performance amplify circuit and exact temperature compensation. The consummate encapsulation technology and perfect assembly process insure the quality and performance of this series. And it has various pressure port modes and signal output style, greatly meeting the requirement of customers.

Specifications



Standard type

PT124B-210



Flush type

PT124B-214



Explosion proof type

PT124B-215



Local display

PT124B-216

Pressure range:	-1~0~2000bar
Operating temperature:	-20~100°C
Accuracy:	0.5%FS
Overload:	150%FS
Output:	4~20mA, 0~5V, 0~10V optional
Temperature compensation:	0~65°C
Process connector:	G1/2, G1/4, 1/2NPT, 1/4NPT optional



Typical application: Mechanical engineering industry, hydraulic and level measurement, gas and oil tank pressure monitoring, Industrial test and control, general industrial applications.

Magnetostrictive positive transducer

Non-contact measuring principle
No need to rescale and maintain
High precision, stability and reliability
Various output modes optional



ZM-P Series magnetostrictive positive transducer is a new product designed by our company recently, it comes with high speed, reliability and exactly data disposal and communication. It can offer one or more position, and one add speed output signal. Detailed multifunction output mode to supply the customer with more choices.

Specifications



Economic type

ZM-P1

Range:	0...0.080m...5m
Operating temperature:	-25°C~85°C.
Thermal affect:	+0.007% FS /°C
Span adjust range:	10%FS
Zero adjust range:	20%FS
Response time:	<5ms
Process connector:	M18 x 1.5, M20 x 1.5, 3/4-16UNF Flange mounting (1Cr18Ni9Ti) ;
Error:	≤0.01%FS



Standard type

ZM-P2



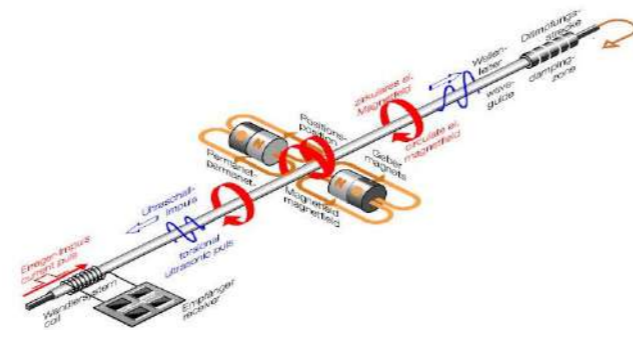
Stainless steel type

ZM-P3



High precision type

ZM-P4



Typical application: Injection molding machine clamp positioning and monitoring, servo oil and gas hydraulic cylinder piston position feedback.



Pressure indicator

N70/N80/N90 Series



Pressure & temperature indicator

N60/N50/N10 Series



Temperature transducer

WR series



Rupture disk

BP 1010



Cleaning tool kit

CT 2011

Alarm range:	0001-9999PSI or bar, MPa (configurable)
Temperature:	Input J, K, E thermocouple (optional)
Resolution:	0.2% FSO ± 1
Input sensibility:	0-20mA/4-20mA/0-5V/0-10V, 2/3.3 mV/V
Power supply:	110/220VAC or +24VDC (customer design)
Panel cutout:	92 x 92mm; 92 x 44mm; 44 x 92mm

Sensor type:	J, K, E, PT100, Cu50
Accuracy:	Class A: +/- (0.15+0.2%t); Class B: +/- (0.3+0.5%t)
Temp range:	-50°C~600°C
Protective tube:	304/316 stainless steel or optional
Output:	4-20mA, 0-10V optional

Pressure range:	0~1500psi to 0~9500psi
Operating temp:	400°C
Accuracy:	± 0.5%FS
Process connector:	1/2-20UNF

It can verify the size error of the mounting hole, remove the excess plastic and impurity from the mounting hole at the secondary installation for the transducer, and make sure that the life and the accuracy of the transducer.

Why to choose ZHYQ

Professional solution

Melt pressure measurement
From 500psi to 20000psi

- Melt pressure transducer/transmitter, pressure gauge or indicator
- OEM and high end products
- Standard and special models

High cost performance

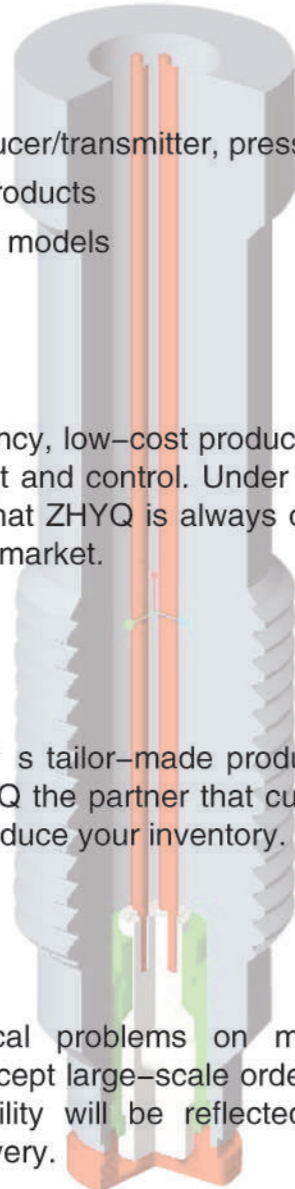
We have achieved high efficiency, low-cost production for our focus of melt pressure and temperature measurement and control. Under equally technical and commercial conditions, we firmly believe that ZHYQ is always one of the suppliers with the most price advantages in the global market.

Faithful & Reliable

Short delivery time (even if it's tailor-made products), and strictly comply with the final delivery time makes ZHYQ the partner that customers worth to trust. ZHYQ will increase your revenue while reduce your inventory.

Flexible & Varied

We can solve your technical problems on melt pressure and temperature measurement. We not only accept large-scale orders, but also meet the demand of small batch. ZHYQ's flexibility will be reflected vividly, when customer need technical support and fast delivery.



It is your best choice to choose ZHYQ!



Global market

Asia

China
Japan
India
Turkey
Pakistan
Iran
Thailand

North America

Canada
America
South America
Columbia
Brazil
Bolivia
Chile

Europe

England
Germany
Italy
Poland
France
Finland
Spain

Oceania

Australia
New Zealand
Africa
Zambia
South Africa