

YB 系列精密压力表

YB series precision pressure gauge

用途说明 Application Description

精密压力表主要用来校验工业用普通压力表，也可在工艺现场精确测量对铜合金和合金结构钢等材质无腐蚀性、非结晶、非凝固介质的压力。

该仪表在标度线下设置有镜面环(A型B型)，在使用中读数更清晰精确。并带有调零装置(B型)

precision pressure gauge is mainly used for testing industrial nominal pressure gauge and for precision testing the pressure of all kinds of service medium which will neither corrode with copper alloys or steel alloys which is uncorrosible, uncrystallized and uncaky.

This gauge has a mirror ring under the scale(A type and B type) to read more clearly and more precision. And attached a zero adjusting setting(B type).

结构原理 Structure

仪表由测压系统、传动机构、指示装置和外壳组成。测压弹性元件经特殊工艺处理，使其性能稳定可靠，与高精度的传动机构配套调试后，能确保精确的指示精度。

仪表的工作原理是：当被测介质的压力作用于弹性元件后，使其产生弹性变形一位移，经拉杆带动传动机构放大，由指示装置指示被测压力。

This gauge is made up of the measuring system, gear setting, pointing setting and the outer case. The flexibility parts is dealt with the special technics, which makes the operation reliable. With the use of the high precision gear setting, it can be assured the high pointing accuracy.

The principle of the precision pressure gauge: The pressure of the service medium acts on the flexibility parts and make it moved, with the help of the stick, magnified by the gear setting, and the pointer point it out on the dial.

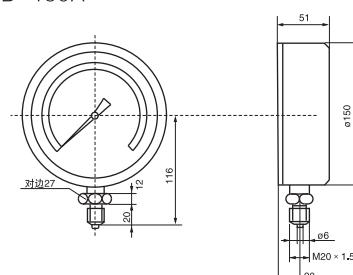
主要技术指标 Main Technical Data

◇ 测量范围、精确度等级及特点 Scale range, accuracy class and features

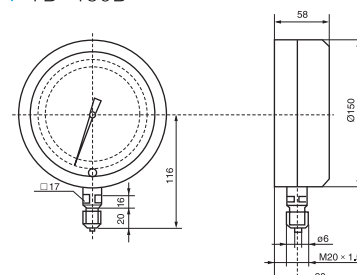
型号 Model	弹簧管材料 Bourdon tube	测量范围MPa Scale range	精确度等级 Accuracy class	结构特点 Structure character
YB-150A	锡磷青铜铬钒钢 Bronze chromium vanadium steel of tin phosphorus	0~0.1;0~0.16; 0~0.25;0~0.4; 0~0.6;0~1;0~1.6;	0.4	镜面 Dial face
YB-150B		0~2.5;0~4;0~6;0~10; 0~16;0~25;0~40;0~60;	0.25	镜面调零 Zero adjusting in the dial face

- ◇ 使用环境条件：5~40℃，相对湿度不大于80%，且环境震动和压力源的波动对仪表的精确读数无影响。
- ◇ 温度影响：使用环境温度如偏离20±3℃(A型)或20±2℃(B型)时，则须考虑温度附加误差0.4%/10℃。
- ◇ 重量：1kg(A型) 1.4kg(B型)
- ◇ Environmental condition:5℃~40℃，relative humidity is no more than 80%，and the undulate of the shock and pressure resource has no influence on precision readings of the gauge.
- ◇ Temperature effect: if environmental temperature deviates from 20±3℃(A type) or 20±2℃(B type),must consider additional error is about 0.4%/10℃.
- ◇ Weight:1kg(A type) 1.4kg (B type).

◇ YB-150A



◇ YB-150B



YB-150B系列调零精密压力表

YB-150B zero-setting precision pressure gauge

产品概述 Product Overview

此类精密压力表主要用来校验工业用普通压力表，也可在工艺现场精确测量对铜合金和合金结构铜等材质无腐蚀性、非结晶、非凝固介质的压力。该仪表在标度线下设置有镜面环，在使用中读数更清晰精确。测压弹性元件经特殊工艺处理，性能稳定可靠，与高精度的传动机构配套调试后，能确保精确的指示精度。

仪表在用了一段时间后若发现有轻微的不回零的现象，请调节调零装置，使指针指向零位即可，不影响仪表的精度。

精度等级：0.25级，0.4级

测量范围：0~0.1~0~60MPa，-0.1~0~-0.1~2.4MPa

This type of pressure gauge is mainly applied to check industry-used common pressure gauge and also can precision measure the pressure of media that is non-corrosive to copper alloy and copper, noncrystalline and non-concretionary. A mirror circle is designed beneath the tick mark, which makes reading more precision and clear. After special fabrication processing, the elastic element can function sustainably and reliably and guarantee accuracy when attached to highly precision gear and adjusted.

If the gauge doesn't return to zero slightly after used for a period of time, please adjust the zero-setting and make the indicator return to zero while accuracy won't be affected.

Accuracy class: 0.25, 0.4

Scale range: 0~0.1~0~60MPa, -0.1~0~-0.1~2.4MPa



YB-150B

YTNB-150系列耐震精密压力表

YTNB-150ZT系列耐震轴向精密压力表

YTNB-150 shake resistance precision pressure gauge

YTNB-150ZT axial shake resistance precision pressure gauge

产品概述 Product Overview

耐震精密压力表主要用来校验工业用普通压力表，也可用于精密测量对铜合金和钢等无腐蚀性、非结晶、非凝固的各种介质的压力及真空；广泛用于工业生产过程和精密测量及科学实验部门。

耐震精密压力表内部充灌阻尼液和配套缓冲装置，具有良好的耐震性能。仪表在用了一段时间后若发现有轻微的不回零的现象，请调节调零装置，使指针指向零位即可，不影响仪表的精度。

精度等级：0.4级

测量范围：0~0.1~0~60MPa，-0.1~0~-0.1~2.4MPa

Shake resistance precision pressure gauge is mainly applied to check industry-used common pressure gauge and also can precision measure the pressure of media that is non-corrosive to copper alloy and copper, noncrystalline and non-concretionary and vacuum pressure; it is widely used industry production process, precision measurement and scientific lab apartment.

Assorted buffer device and damping liquid which is filled inside the shake resistance precision pressure gauge contribute to good shake resistance. If the gauge doesn't return to zero slightly after used for a period of time, please adjust the zero-setting and make the indicator return to zero while accuracy won't be affected.

Accuracy degree: 0.4

Measuring range: 0~0.1~0~60MPa, -0.1~0~-0.1~2.4MPa



YTNB-150



YTNB-150ZT

压力表出口系列

Pressure gauge export series



名 称 Name	一般压力表 General pressure gauge	充油压力表 Liquid-filled pressure gauge	冷煤表 Refrigeration gauge
应用说明 Application description	测量对铜及铜合金无腐蚀性作用的气体、液体等介质的压力。 It measures pressure for gas, liquid etc media which has no corrosiv effects on copper,copper alloy.	用于被测介质的压力有强烈的脉冲及环境有较大震动的场合。 It is applicable for measured media pressure with strong pulse and big vibration environmental occasions.	测量不同种类冷冻系统的压力。 It is applied for refrigeration systems.
精确度等级 Accuracy class	$\pm 1.6\%$, $\pm 2.5\%$	$\pm 1.6\%$, $\pm 2.5\%$	$\pm 1.6\%$
测量范围 Scale range	-1~0 to -1~24kg/cm ² 0~1 to 600 kg/cm ²	76cm Hg to 600kg/cm ²	30 in Hg to 500 psi 76cm Hg to 35 kg/cm ²
外形尺寸 Nominal size	2" ;2 1/2" ;3" ;4" ;6"	1 1/2" ;2" ;2 1/2" ;3" ;4"	2.4" ;2 1/2" ;2.6" ;3 1/2"
壳体 Case	钢、塑料、不锈钢 Steel,plastic,stainless steel	钢、不锈钢 Steel,stainless steel	钢、塑料、不锈钢 Steel,plastic,stainless steel
机芯 Movement	黄铜 Brass	黄铜 Brass	黄铜 Brass
波登管 Bourdon tube	磷青铜 Phosphor bronze	磷青铜 Phosphor bronze	磷青铜 Phosphor bronze
使用温度 Working temperature	- 40 to 70℃	- 25 to 55℃	- 40 to 70℃
连接螺纹 Connection thread	1/4" ;3/8;1/2" PT;NPT	1/4" ;3/8;1/2" PT;NPT	7/16" UNF;1/8" NPT
安装型式 Mounting pattern	径向、轴向 Low mount,back mount	径向、轴向 Low mount,back mount	径向 Low mount

本企业可接受用户对仪表有特殊要求的订货。

This enterprise may accept consumers order with special requirement for instrument & meter.



名 称 Name	卡子式压力表 U-clamp pressure gauge	氨压力表 Ammonia pressure gauge	不锈钢压力表 Stainless steel pressure gauge
应用说明 Application description	测量对铜及铜合金无腐蚀性作用的气体、液体等介质的压力。现场卡子式直接安装。 It can be applied for gaseous or liquid media that will not corrode copper or copper alloy parts. Installation with U-clamp can be done on site.	测量对铜及合金无腐蚀性作用的氨气及混合气体等介质的压力。 It can be applied for ammonia or its mixed gas that will not corrode steel or steel alloy.	用于测量有腐蚀性介质的压力及环境较恶劣的场合。 It can be applied for corrosive media under harsh conditions.
精确度等级 Accuracy class	± 1.6%, ± 2.5%	± 2.5%	± 1.6%
测量范围 Scale range	0~1 to 600kg/cm ²	0~1 to 600kg/cm ²	76cm Hg to 600kg/cm ²
外形尺寸 Nominal size	1 1/2" ;2" ;2 1/2" ;3" 4"	2 1/2"	2 1/2" ;3" ;4"
壳体 Case	钢、不锈钢 Steel, stainless steel	钢、塑料 Steel, plastic	不锈钢 Stainless steel
机芯 Movement	黄铜 Brass	不锈钢 Stainless steel	不锈钢 Stainless steel
波登管 Bourdon tube	磷青铜 Phosphor bronze	不锈钢 Stainless steel	316L 不锈钢 Stainless steel
使用温度 Working temperature	- 40 to 70°C	- 40 to 70°C	- 40 to 100°C
连接螺纹 Connection thread	1/8" ;1/4" NPT	1/8" ;1/4" NPT	1/4" ;3/8" 1/2" PT;NPT
安装型式 Mounting pattern	轴向卡子式 U-clamp	径向 Low mount	径向、轴向 Low mount, back mount

本企业可接受用户对仪表有特殊要求的订货。
This enterprise may accept consumers order with special requirement for instrument & meter.

Y 系列一般压力表

Y series general pressure gauge



Y-60Z



Y-150ZT



Z-100



Y-40



Y-60



Y-100



Y-150



Y-200

用途说明 Application Description

一般压力表适用于测量无爆炸危险、不结晶、不凝固及对铜及铜合金不起腐蚀性作用的液体、蒸气和气体等介质的压力。

General pressure gauge can be applied for gaseous or liquid media that will not explode, crystal-lise or freeze, and corrode copper or copper alloy.

主要技术指标 Main Technical Data

◇ 测量范围、精确度等级

Scale range and accuracy class

型号 Model	Y-40	Y-60 Y-60Z Y-60T Y-60ZT	Y-100 Y-100Z Y-100T Y-100ZT	Y-150 Y-150Z Y-150T Y-150ZT	Y-200 Y-250
精确度等级 Accuracy class	2.5			1.6	
测量范围 Mpa Scale range	0.1~25	0.1~100			0~250
YZ、Z	-0.1~0,0.06,0.15,0.3,0.5,0.9,1.5,2,4				

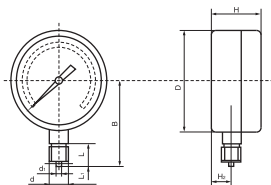
◇ 使用环境条件: -40~70℃, 相对湿度不大于85%。

◇ 温度影响: 使用温度偏离20±5℃时, 不大于0.4%/10℃。

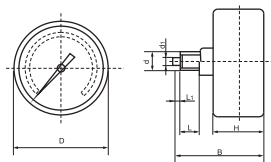
◇ Environmental condition: -40℃~70℃, relative humidity is no more than 85%.

◇ Temperature effect: when environmental temperature deviates from 20±5℃, additional error is no more than 0.4%/10℃.

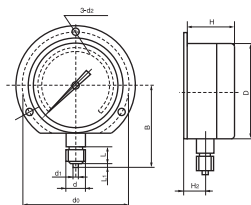
外形尺寸 Dimensions



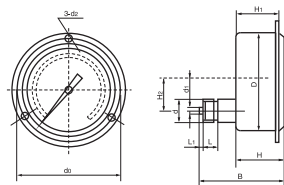
• Y-40、Y-60、Y-100、Y-150、Y-200、Y-250



• Y-40Z、Y-60Z、Y-100Z、Y-150Z



• Y-60T、Y-100T、Y-150T



• Y-60ZT、Y-100ZT、Y-150ZT

单位(Unit): mm

型号 Model	D	d	d1	L	d0	B	H	d2	H1	H2	L1
Y-40	Φ40	M10×1	Φ2.5	10		38	24			8.5	2
Y-40Z						40	24			0	
Y-60						56	30			12	
Y-60Z	Φ60	M14×1.5 or M10×1	Φ5	14	72	58	30			0	
Y-60T						56	30	Φ4.5		13	
Y-60ZT						53	30	Φ4.5	24	0	
Y-100	Φ100					90	44			18	
Y-100Z					118	85	44			30	
Y-100T						90	45	Φ5.5		18	
Y-100ZT						85	44	Φ5.5	39	30	
Y-150	Φ150	M20×1.5	Φ6	20		115	48			18	
Y-150Z					165	92	47			30	
Y-150T						115	48	Φ5.5		18	
Y-150ZT						92	47	Φ5.5	41	30	
Y-200						146	50			18	
Y-250	Φ250					167	50			18	

Y系列1.0级压力表

Y series 1.0 accuracy class pressure gauge

产品概述 Product Overview

1.0级一般压力表适用于测量无爆炸危险、不结晶、不凝固及对铜和铜合金不起腐蚀作用的液体、蒸汽和气体等介质的压力。

该仪表采用旋入式外壳，标准铜棒制作的接头，加宽的弹簧管和全钢反装机芯，并加大了连接杆的强度，所有紧固件均采用不锈钢螺丝。校准和检验过程采用国际先进的设备和工艺以保证产品的精度，该表外观精美，示值精度高，轻敲位移小，重复性能好，使用寿命长。

Y series 1.0 accuracy class pressure gauge can be applied for those gaseous, liquid or vaporous media which don't explode, crystallize and freeze, and corrode stainless copper or copper alloy. It adopts helical case, standardized copper connector, broadened bourdon tube, stainless steel movement and strengthened link. In order to ensure accuracy class, advanced equipment and technique are used in the process of calibration and testing. It is characterized by good appearance, high precision, small distance after tapping, good repetition and long service life.



Y-100(1.0级)

技术指标 Technical Parameters

- ◇ 测量范围: 0.6~25MPa
- ◇ 精确度等级: 1.0级
- ◇ 工作环境: -40 ~70℃,相对湿度不大于85%
- ◇ 温度影响: 工作温度偏 $20 \pm 5^\circ\text{C}$, 误差不大于 $0.4\%/10^\circ\text{K}^\circ\text{C}$.
- ◇ 重量: 0.44kg
- ◇ 安装螺纹: M20×1.5(特殊要求可订制)。
- ◇ Scale range: 0.6~25MPa
- ◇ Accuracy class: $\pm 1.0\%$
- ◇ Working Condition: -40 ~70℃, no more than 85% of relative humidity
- ◇ Temperature effect: When working temperature deviates from $20 \pm 5^\circ\text{C}$, additional error is no more than $0.4\%/10^\circ\text{K}^\circ\text{C}$.
- ◇ Weight: 0.44kg
- ◇ Connection: M20*1.5 or other required thread

Product Introduction

Hongqi 100mm 4"Steel chrome plated presssure gauge Brass
Connetion

Basic Info.

Model NO.Y-100AApplicationIndustrial, CivilStructureSpring Pressure
GaugeConnection TypeRadial DirectionFunctionLocal Indication
TypeInstallation StructureDirect MountingFeatures of Measurement
MediumGeneral Pressure GaugeIndicating Pressure ReferenceGeneral
Pressure GaugeTransport PackageIndividual PackingSpecificationDia
100mmTrademarkHQ/OEMOriginChinaHS Code9026209090Production
Capacity500000



Most
varieties

Most complete
specifications

The largest
scale

The strongest
technical force

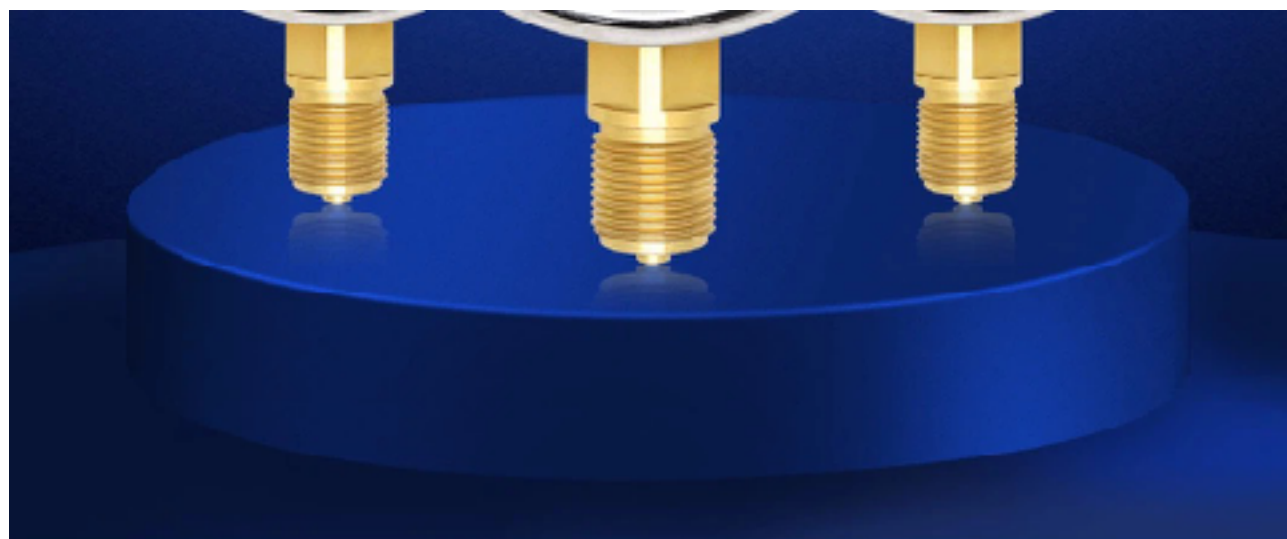
STAINLESS STEEL CASE PRESSURE GAUGE

High quality and multi-function

Hongqi Instrument Co., Ltd., founded in March 1993, is a professional manufacturer specializing in the production and sales of pressure meters, temperature meters, flow meters, decompression and controllers. It has 2 workshops and has gained advantages in 2007. The company began to participate in the manufacture of instruments and instruments, and developed a semi-automatic test platform for large machines has been gradually put into the market.

Y-100A





SEIKO MANUFACTURING, EXCELLENT QUALITY



HIGH QUALITY



STABLE PROPERTY



CLEAR SCALE



STRICT INSPECTION



HIGH ACCURACY

PRODUCT SIZE

Stainless steel case

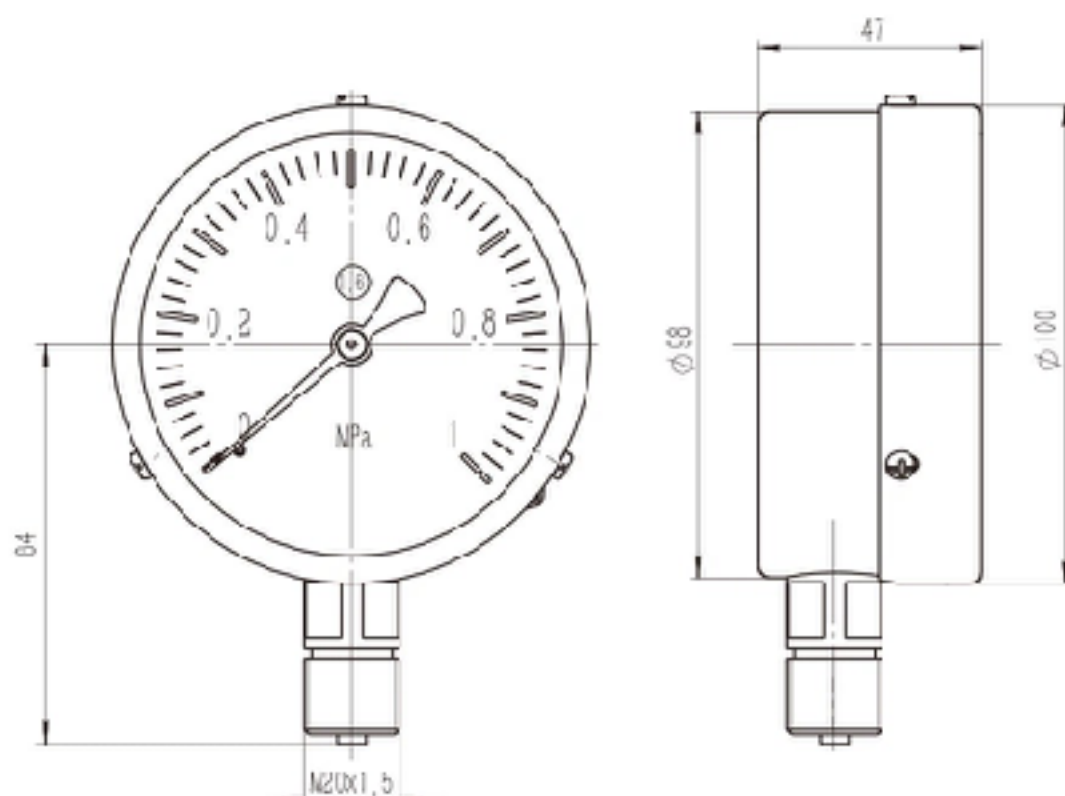


UV scale mark



This enterprise may accept consumers order wiht special requirement for instrument for instrument & meter.

PRODUCT INTRODUCTION



Product name: Stainless steel case pressure gauge

Accuracy class: 1.6% or 2.5%

Case material: Stainless steel

Scale range: 0-60MPa

Working Condition: -40 ~70℃, no more than 85% of relative humidity

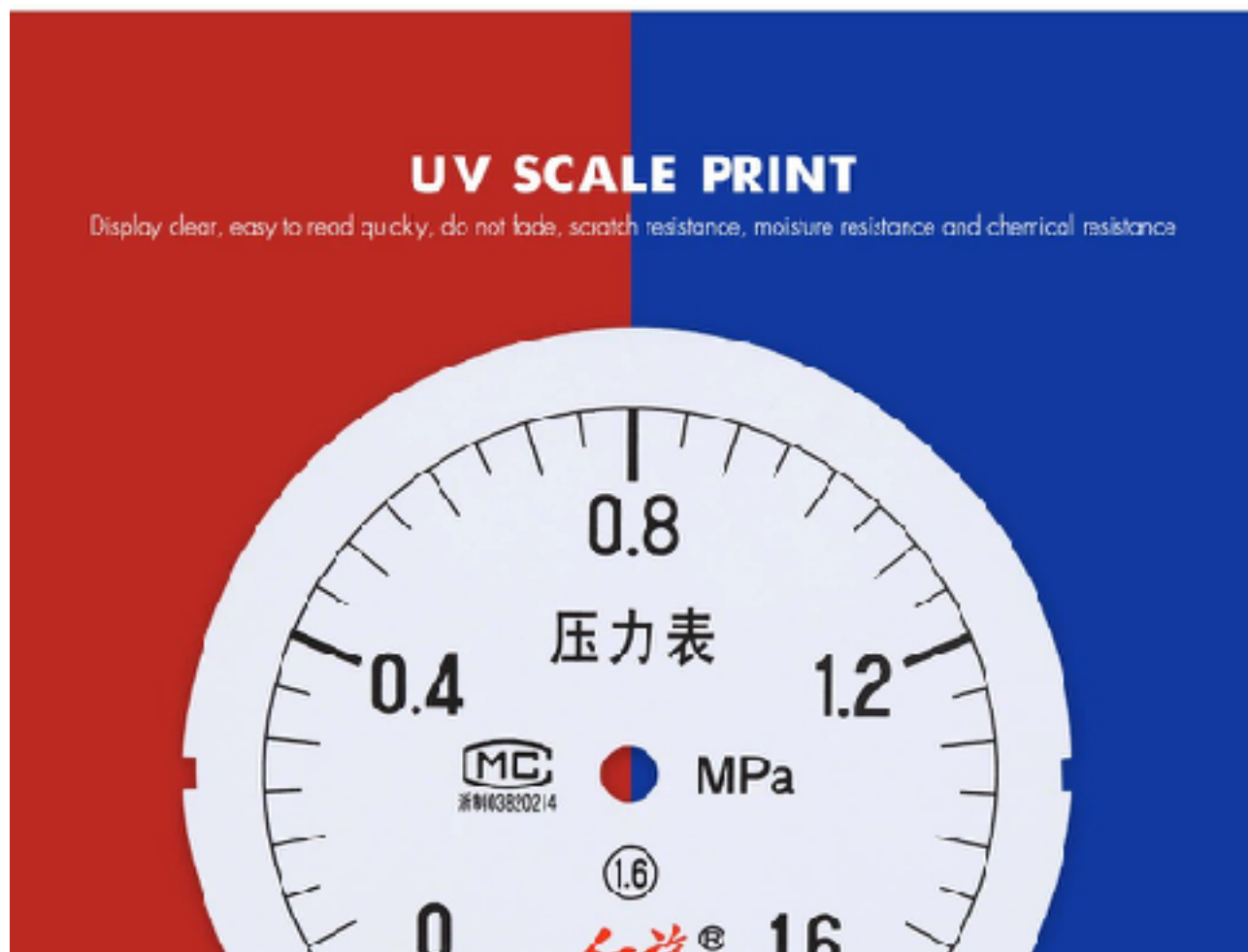
Temperature effect: When working temperature deviates from 20 ±5℃,

additional error is no more than 0,4%/10K℃

Connection: M20*1.5 or other required thread

UV SCALE PRINT

Display clear, easy to read quickly, do not fade, scratch resistance, moisture resistance and chemical resistance





HONGQI

中国·红旗仪表有限公司

NO HC70560408428

BLACK ALUMINUM POINTER

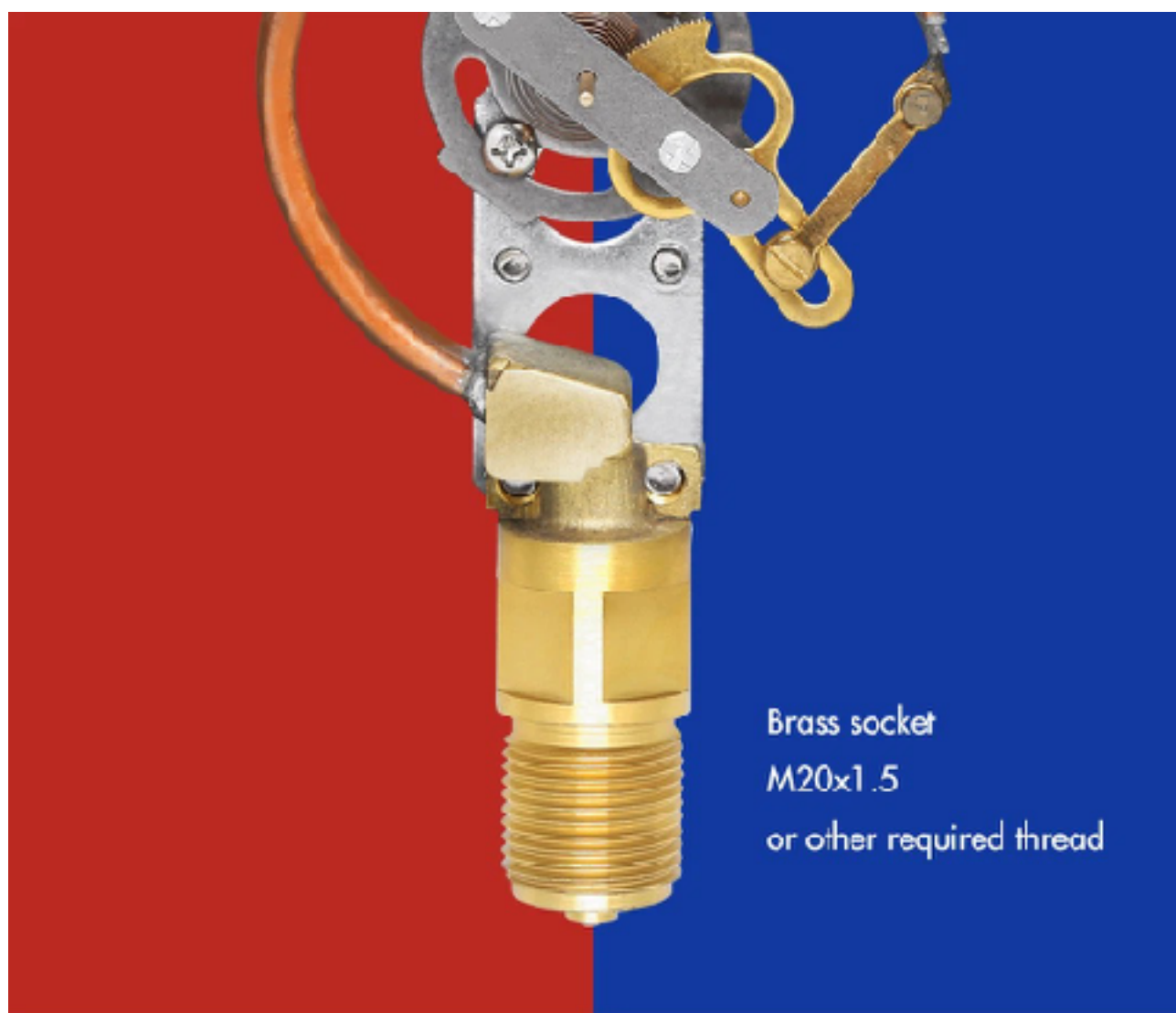
Antioxidation and accurate display



STAINLESS STEEL CASE PHOSPHOR BRONZE BOURDON TUBE

Phosphor bronze movement ; Phosphor bronze Bourdon tube ;
Stainless steel case





Brass socket
M20x1.5
or other required thread

PRODUCT DISPLAY

Y-100A

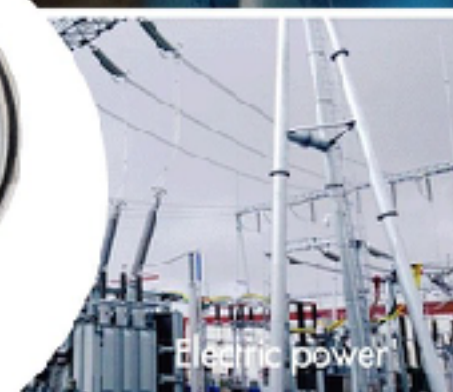






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WIDE APPLICATION



OUR CERTIFICATES





OUR PARTNERS



OUR COMPANY





PACKING AND DELIVERY

