

YTN、YTN-B 系列耐震压力表

YTN,YTN-B series shake resistance pressure gauge

用途说明 Application Description

耐震压力表主要用于冶金、电力、石油、化工、轻工、机械等工业部门的压力检测。压力表依靠内部充灌阻尼油和配套缓冲装置等措施。具有良好的耐震性能。适用于被测介质的压力有强烈脉冲变化或压力冲击和在生产工艺中经常突然卸荷的场合，以及环境震动较大的场所。仪表能测气体、液体脉动压力的平均值，以克服介质强烈脉冲及环境震动对仪表带来的损害，确保读数的准确性。

不锈钢耐震压力表的外壳用不锈钢材料制成(简称半钢)，可在有腐蚀性、振动较大的恶劣环境中使用。

The shake resistance pressure gauge is mainly used in metallurgical industry, power station, oil industry, chemical industry, and so on. The damp oil is filled inside this gauge and with the according buffer it has excellent shake resistance ability. And it is well suited for measuring those medium which has strong pulsation or pressure concussion or service medium which disappear suddenly in the manufacture, or for the situation which shake violently. This gauge can measure the average value of the pulsant pressure of the gas or liquid, so that it can avoid the damage which is caused by the strong pulsation and violent shankence and insure the measurement precise.

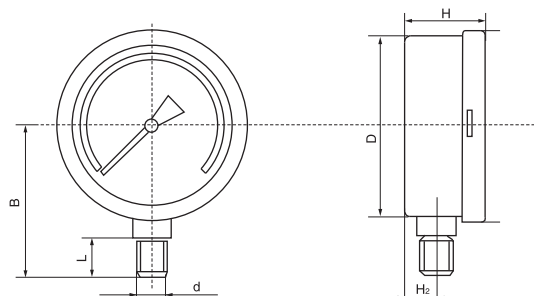
The outer case of the stainless shake resistance pressure gauge is made of stainless steel material, can be used in the environment which has strong corrosion and violent shankence.

主要技术指标 Main Technical Data

型号 Model	结构型式 Structure	标度范围(MPa) Scale range	精确度等级 Accuracy class
YTN-60	径向 Low mount	0~0.1;0~0.16;0~0.25; 0~0.4;0~0.6;0~1;0~1.6; 0~2.5;0~4;0~6;0~10; 0~16;0~25;0~40	2.5
YTN-60ZT	轴向带边 Back mount with flange		
YTN-60B	径向 Low mount		
YTN-63B	轴向带边 Back mount with flange		
YTN-100	径向 Low mount	0~0.1;0~0.16;0~0.25; 0~0.4;0~0.6;0~1;0~1.6; 0~2.5;0~4;0~6;0~10; 0~16;0~25;0~40;0~60	1.6
YTN-100ZT	轴向带边 Back mount with flange		
YTN-100B	径向 Low mount		
YTN-103B	轴向带边 Back mount with flange		
YTN-150	径向 Low mount	0~0.1;0~0.16;0~0.25; 0~0.4;0~0.6;0~1;0~1.6; 0~2.5;0~4;0~6;0~10;0~16; 0~25;0~40;0~60;0~100	
YTN-150ZT	轴向带边 Back mount with flange		
YTN-150B	径向 Low mount		
YTN-153B	轴向带边 Back mount with flange		

- ◇ 使用环境温度：5~55℃(表壳内充甘油)
-25~55℃(表壳内充硅油)
- ◇ Environment condition:5℃~55℃(glycerin is filled in the case)
-25℃~55℃(silicic oil is filled in the case)
- ◇ Shake resistance grade:V.H.4

外形尺寸 Dimensions



YTN-60



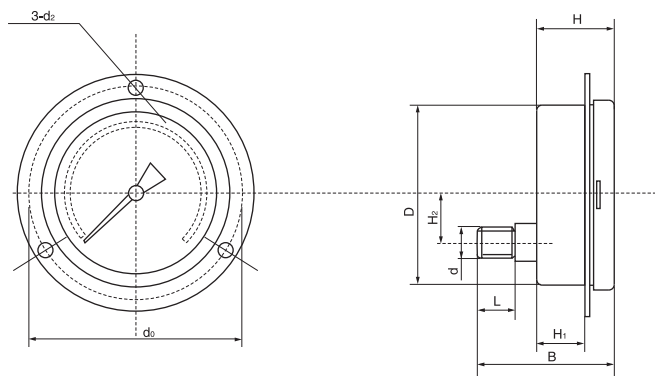
YTN-60ZT



YTN-100



YTN-100Z



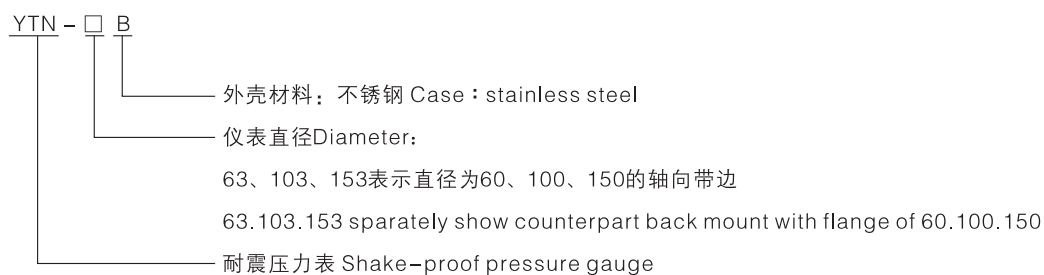
单位(Unit): mm

型号 Model	D	H	H ₂	B	D ₂	d ₀	d	L	H ₁
YTN-60	Φ60	32	13	55			M14×1.5	14	
YTN-60ZT			0	65	4.5	76			22
YTN-60B		32	13	55					
YTN-63B			0	65	4.5	76			22
YTN-100	Φ100	44	18	90			M20×1.5	20	
YTN-100ZT			30	90	5.5	118			27
YTN-100B		44	18	90					
YTN-103B			30	90	5.5	118			27
YTN-150	Φ150	44	18	120			M20×1.5	20	
YTN-150ZT			55	95	5.5	165			27
YTN-150B		44	18	120					
YTN-153B			55	95	5.5	165			27



YTN-150ZT-BF

型号描述 Model Decscription



Y-200 Y-250BF不锈钢及抗震压力表

Y-200 Y-250BF stainless steel pressure gauge

用途说明 Application Description

Y-200 Y-250BF不锈钢及抗震压力表广泛用于化工，石油，化纤，冶金，电站等工业部门中对耐腐等要求较高的工艺流程中测量各种介质的压力。本仪表的整体结构设计合理，工艺精致，具有较高的测量精确度和持久的稳定性，因此不仅提供出口，尤为国内用户对引进国外先进技术装备中的同类仪表实现国产化的理想配套产品。

Stainless steel pressure gauge is widely used in oil industry, chemical industry, chemical fiber industry, metallurgical industry, power station and so on. It can measure the pressure of all kinds of liquid medium in technological process which has higher requirement of corrosion-proof and antivibration.

The gauge has good structure design and exquisite craft with character of high accuracy and sustained stability. So it has a very good market for exporting.

产品结构 Structure

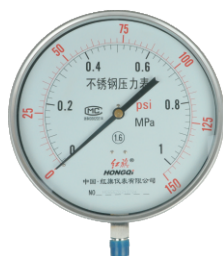
不锈钢压力仪表由导压系统(接头，弹簧管，限流螺钉等)齿轮传动结构，示值装置(指针和标牌)和外壳(表壳，表盖，表玻璃等)所组成。外壳为气密型结构，能有效的保护内部机件免受环境和污垢的侵入，对于在外壳内充液(一般为甘油或者硅油)的抗震性不锈钢压力表，能够在抗工作环境剧烈震动和较少介质压力的脉动影响。

Stainless steel pressure gauge consists of pressure guide system (connector, bourdon tube current-limiting screw, ect.), indication device (pointer and dial), outer case(case, ring, glass). Outer case is gas proof structure, which could protect the inner parts from environment dirt.

For the oil filled shock resistance stainless steel pressure gauge, it could work in the environment with violent vibration and pressure pulsation.

主要技术指标 Main Technical Data

产品名称 Product name	Y200BF Y250BF不锈钢压力表 Y200BF Y250BF stainless steel pressure gauge
型号 Model	Y200BF Y250BF
类型 Type	不锈钢压力表 stainless steel pressure gauge
测量范围 Scale range	0-0.1~0-60MPa, -0.1~0~-0.1-2.4MPa
表面尺寸 Diameter	200mm 250mm
壳体 Case	不锈钢 stainless steel
接头 Connector	不锈钢 stainless steel
弹簧管材料 Bourdon tube	不锈钢 stainless steel
压力单位 Pressure unit	MPa, psi, bar, kg/cm ² 等各种压力单位 MPa, psi, bar, kg/cm ² etc.
表盘刻度 Scale	单刻度 双刻度 多刻度 Single scale, Double scale, Multi-scale
连接方式 Mounting pattern	径向 Low mount
精度等级 Accuracy class	1.5级 1.5
连接螺纹 Connection thread	M20×1.5 G1/2 NPT1/2
可否充液 liquid-filled	可以 yes
充液 Oil	硅油/甘油 glycerin oil/silicone oil
使用温度 Using temperature	-20~100℃



Y-250BF

YB-150BF系列不锈钢精密压力表

YB-150BF stainless steel precision pressure gauge

用途说明 Application Description

YB-150BF 系列不锈钢精密压力表广泛应用于石油、化工、化纤、冶金、电站等工业部门等有腐蚀性的环境场所，可对具有腐蚀性的介质中进行高精度的测量。

还可用于校验工业用普通压力表；也可以用于精密测量对非结晶、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和科学实验等部门。

本仪表的整体结构设计合理、工艺精致，具有较高的测量精度和持久的稳定性。

Stainless steel precision pressure gauge is widely used in oil industry, chemical industry, chemical fiber industry, metallurgical industry, power station and so on. It can precisely measure the pressure of medium which has high requirement of corrosion-proof.

And the gauge can also be used in checking general pressure gauge and precisely measure all kinds of medium, which is a good instrument for high precision measurement, science laboratory and industrial production process.



YB-150BF

主要技术指标 Main Technical Data

型号 Model	YB-150BF
标度范围 (Mpa)	-0.1~0; 0~0.1; 0~0.16; 0~0.25; 0~0.4; 0~0.6;
Scale range	0~1.0; 0~1.6; 0~2.5; 0~4; 0~6; 0~10; 0~16; 0~25; 0~40; 0~60;
压力单位 Pressure unit	Mpa psi bar kg/cm ² 等 MPa psi bar kg/cm ² etc.
精度等级 Accuracy class	0.6% 0.4% 0.25%
表壳材质 Case	不锈钢 stainless steel
接头材质 Connector	不锈钢 stainless steel
仪表机芯 Movement	不锈钢带宝石轴承 stainless steel
防爆片材质 Anti-exploding slice	橡胶 rubber
指针 Pointer	65Mo锰，黑色刀锋式 65Mo manganese, black
安装方式 Mounting pattern	径向，轴向及径向带边，轴向带边 bottom，back bottom with flange, back with flange
仪表连接螺纹 Thread	M20*1.5外螺纹 (可选其他标准连接) M20*1.5 G1/2 NPT1/2ect.

YK-100型抗震泥浆压力表

YK-100 type shake resistance slurry pressure gauge

产品概述 Product Overview

YK-100抗震泥浆压力表，用于石油钻井开采、化工、机械、煤碳、冶金、电力、地质矿山、大型泵站、部门的钻井、防喷设备等领域。也可用来测量静压。仪表具有良好的抗震性能。在使用时不但能承受被测介质的剧烈脉动，而且能承受瞬时性压力冲击，以及安装位置和运输过程的颠簸，指示平稳、清晰。YK-100压力表具有被测介质不需进入仪表内部的防堵优点，因此允许介质高粘度、高粒度、易凝固等，如泥浆。使用安全可靠。

This gauge is used in various fields, including petroleum drilling, chemical industry, mechanical industry, coal, metallurgy, power, mine geology, large pumping station and department drilling, blowout control equipment and so on. It can also measure static pressure. The gauge is well shake resisting. It not only can well endure the extreme pulsation of measured media but also can endure instant pressure impact and vibration aroused in the process of mounting and transportation. YK-100 pressure gauge has the advantage of anti-blocking, namely the measured media don't have to enter the gauge, so it's OK for media to be highly viscous, granular and easy to condense, such as slurry. It is highly safe to use.



YK-100

仪表原理 Structure

仪表通过内部灌充阻尼液及内置阻尼结构，来实现在震动较强的环境中使用的目的；通过膜片隔离结构来满足测量高粘度、高颗粒、易凝固介质压力的需求；通过表盘指示机构与内置叉簧弹性元件设计这一核心关键技术，使仪表指示清晰、平稳、精确。

被测介质作用于仪表接头上的密封橡胶膜片，通过橡胶膜片传递到仪表内部的膜箱体，作用于叉簧上，使叉簧两翼发生位移，通过齿轮机构带动指针旋转从而实现测量压力的目的。被测介质不进入仪表内部，从而达到防堵、防凝固的效果。

With damping liquid filled inside and damping structure, the gauge can be used in the environment of strong vibration; the diaphragm structure satisfies the demand of the measurement of media which is highly viscous, granular and easy to condense; through the indicator structure and elastic element inside the gauge, which is the core technology, the gauge performs clearly, sustainably and accurately.

Measured media acts on hermetical rubber diaphragm on the gauge connect. The diaphragm deliver the force to the diaphragm body inside the gauge and then the force make the hookswitch twist. Then the gauge realizes the measurement via gear turning. The measured media don't have to enter the gauge, which helps to avoid blocking and concretion.

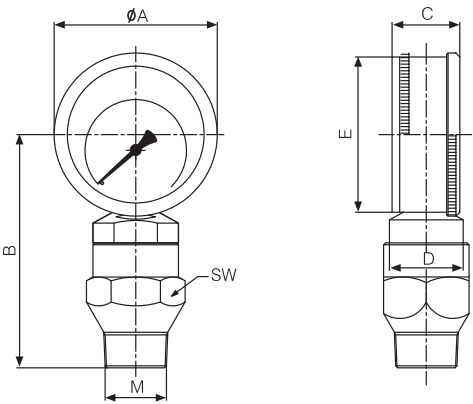
技术参数 Technical Parameters

- ◇ 精度等级：1.6%、2.5%
- ◇ 压力范围：16MPa、25MPa、30MPa、40MPa、60MPa
- ◇ 螺纹大小：R3/2、R2、NPT2、M42×2(特殊螺纹请先咨询)
- ◇ 阻尼液：硅油、甘油
- ◇ 工作环境温度：-25℃~55℃

- ◇ Accuracy class: 1.6%、2.5%
- ◇ Scale range: 16MPa、25MPa、30MPa、40MPa、60MPa
- ◇ Connection thread: R3/2、R2、NPT2、M42×2(consult in advance for special types)
- ◇ Damping liquid: silicone oil, glycerin
- ◇ Working temperature: -25℃~55℃

外形尺寸 Dimension

单位(Unit): mm



型号 Model	尺寸 Size						
	ϕA	B	C	D	E	SW	M
YK-100	124	177	51.5	56	118	65	R3/2、R2 NPT2等