



磁助电接点压力表

Magnetic electric contact pressure gauge

YXC 系列

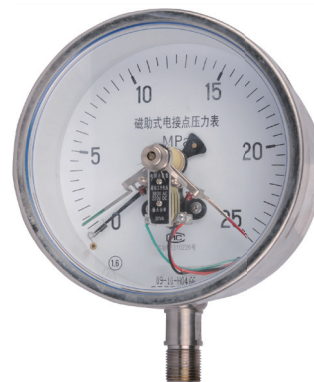
YXC series

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magnetic electric contact pressure gauge



概述

YXC 系列磁助电接点压力表适用于测量无爆炸危险的流体介质的压力。其中 YXCA-150 适于测量氨的液体、气体或其混合物等介质的压力。通常，它配以相应的电气器件（如继电器及接触器等），即能对被测（控）压力系统实现自动控制和发信（报警）的目的。

YXC 系列有普通型和耐震型两种形式，且具有现场安装式和嵌装式两种形式；YXCG 系列除了具有上述特征外，还具有能测量温度较高、粘度较大或腐蚀性较强的介质压力。

本系列仪表采用了磁力作用的电接点装置，并采用了相应的耐震措施和应用了隔测原理，使之既能耐受工作环境的振动影响。又能有效地减少脉动压力的影响，以达到动作稳定可靠、使用寿命长的目的。

Description

YXC series magnetic electric contact pressure gauge is suited for measuring the pressure of the fluid media without explosive danger. YXCA-150A is suited for measuring media pressure of the liquid and gas of ammonia or other composite.

Generally, it is fitted with corresponding electric element (such as relay and contactor) which will be able to achieve auto control and alarm to the monitored pressure system.

Series YXC has two forms which are common type and pulsation-proof type and also has two mounting ways which are field installation and plug-in type; Besides the above features, series YXCG has the function of measuring the pressure of media with high temperature, great viscosity or strong corrosion.

This series adopts electric contact unit with function of magnetic and also adopts corresponding pulsation-proof measures and isolated principle which can both endure the vibration in the working environment and reduce the effect of pulse pressure, thus achieving reliable work and long service life.

技术参数

- 最高工作电压：DC220V 或 AC380V
- 触点功率：30VA（电阻负载）
- 控制方式：上、下限缓行磁助接点开关
- 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，其设定点误差变化不大于 0.6% / 10℃

Technical parameter

- Max working voltage: DC220V or AC380V
- Contact power: 30VA (resistance load)
- Control way: upper / lower limit delayed magnetic contact with
- Using environmental condition: -40~70℃, relative humidity no more than 85%
- Temperature effect: the error change of setting point will be no more than 0.6% / 10℃. when the deviation of using temperature is 20 ± 5℃

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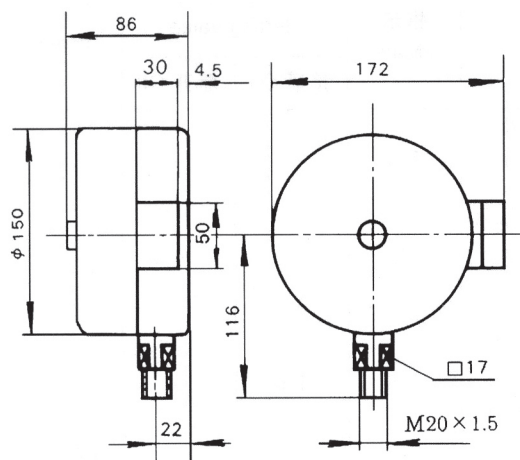
YXC 系列
YXC series

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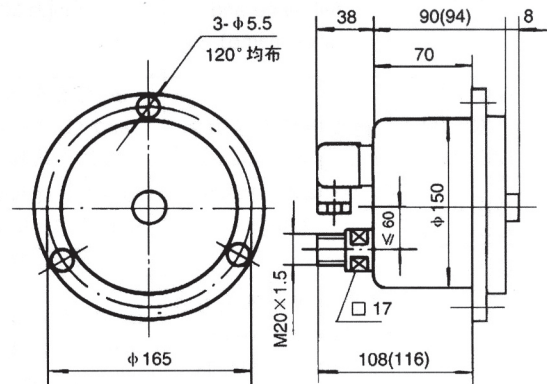
尺寸

Dimensions

- YXC-150 YXCA-150



- YXC-153

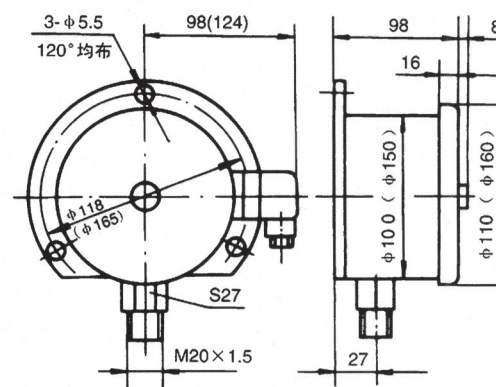
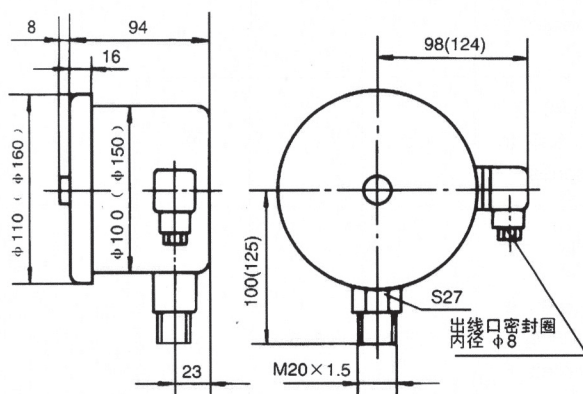


110
110B

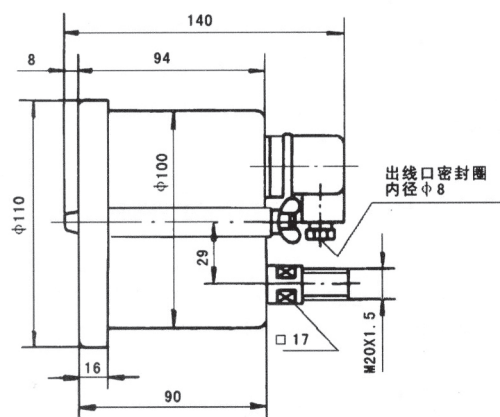
- YXC- (YXC-150B)

102
102B

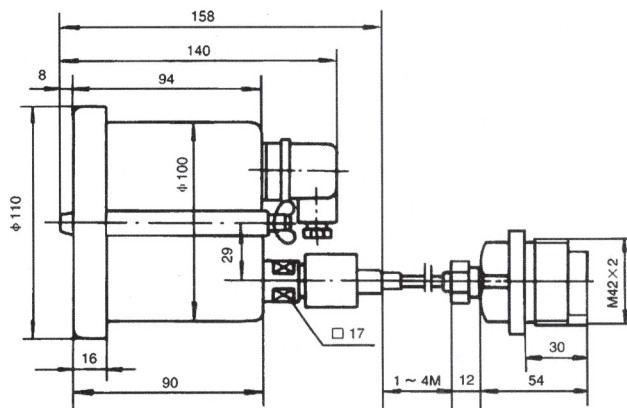
- YXC- (YXC-152B)



- YXC-103 YXC-103B



- YXCG-103 系列



压力仪表系列 Pressure Instruments Series



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YXC series

仪表类型

Instrument Type

类型 Type	型号 Model	名称 (含全称或简称) Name(including Full name and short name)	标度范围 Calibration range MPa	精确度等级 Accu racy class			接头螺纹尺寸 Connecting screw size
				指示 Indication	设定值 Setting valMe		
					接通 On	断开 Off	
普通 common	YXC-100 *YXC-102 YXC-103	磁助电接点压力表 Magnetic electric contact pressure gauge	0~0.6 至 to 60 及 and~0.1~0.06 至 to 2.4 系列 series	1.5	1.5	4	M20 × 1.5- (*2G3 / 8") (*2G1 / 2")
	YXC-150 *Y × C-153		0~0.1 及 and 60 及 and-0.1~0 至 to 2. 4 系列 series	2.5	2.5	4	
专用型 special type	YXCA-150	磁助电接点氨压力表 Magnetic electric confact ammonla Pressure gauge	0~0. 16 及 and 60 及 and-0.1~0.5 至 to 2.4 系列 serfes	1.5	1.5	5	
抗振型 pulsation-proof type	YXC-100-Z * YXC-102-Z YXC-103-Z	磁助电接点压力表 Magnetic electric contact pressure gauge	0~0.6 至 to 60 及 and- 0.1~0.5 至 to 2.4 系列 series	1.5	1.5	4	
耐弛型 corrosion-proof type	* YXC-100B-F * YXC-102B-F * YXC-103B-F * YXC-150B-F * YXC-152B-F		0~0.16 及 and 60 及 and-0.1~0.06 至 to 2. 4 系列 series	1.5	1.5	4	
耐蚀抗振型 pulsation and corrosion-proof type	* YXC-100B-FZ *YXC-102B-FZ * YXC-152B-FZ *YXC-153B-FZ		0~0.6 至 to 60 及 and- 0.1~0. 5 至 to 2.4 系列 se ries	1.5	1.5	5	
隔离式普通型 Isolated common type	YXCG-103 * YXCG-103-F	隔离式磁助电 接点压力表 Isolated magnetic electric contact Pressure gauge	0~0.16 及 and 60 及 and-0.1~0.06 至 to 2. 4 系列 se ries	1.5			M42 × 2 (*2G11 / 2")
隔离式耐蚀型 isotated corrosion-proof type				1.5	4		
隔离式抗振型 Isolated pulsation-proof type	YXCG-103-Z		0~0. 6 至 to 60 及 and- 0. 1~0. 5 至 to 2.4 系列 series	1.5	1.5	5	
隔离式耐蚀 抗振型 ISolated corrosion and pulsation proof type	* YXCG-103-FZ						

注: 标有“*”的型号仅限于特殊订货隔离式的软管长度为 1、2、3、4mm(其中 2mm 为优质长度)

Note: Type marked with asterisk is just for special order Isolated hose length is 1、2、3、4mm(2mm is premium length)

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YXC 系列
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选型表

Selection diagram

仪表类别 Instrument category						Y 压力仪表 Pressure gauge	
控制方式 Control way				X 缓行接点位式开关 Delayed contact on/off switch			
接点装置接点形式 Contact form				C 磁作用式 Magnetic action			
类型 Type				A- 适用于氨及其混合物 Suited for ammonia and other composite G- 带有隔离装置 With isolated device			
组表 Group instrument 直径 Diameter 型式 Form				仪表公称直径型式 Instrument nominal diameter 100、150 分别表示直径为 100、150 径向式 Respectively means diameter is 100、150mm radial type 102 表示直径为 100mm 的径向后边式 Means diameter is 100mm radial-back type 103、153 分别表示直径为 100、150mm axial built-in type			
导压系统及外壳 Pressure guiding system and enclosing material:				材质：不锈钢 B Stainless steel			
其他功能： Other function				F- 耐蚀：Corrosion-proof; Z- 抗振：Pulsation-proof; FZ 耐蚀抗振：Corrosion-proof and pulsation-proof			
Y	X	C	A	100	B	F	选型举例 Type selection example

压力仪表系列 Pressure Instruments Series



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国家级高新技术企业 National High-Tech Enterprise

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防爆电接点压力表

explosion-proof electric contact-pressure gauge

YX-160-B 系列

YX-160-B series

YX-160-B 系列

防爆电接点压力表

YX-160-B series

explosion-proof electric contact-pressure gauge



概述

防爆电接点压力表按 GB3836.1-83《爆炸性环境用防爆电气设备通用要求》和 GB3836.2-83《爆炸性环境用防爆电气设备隔爆型电气设备“d”》的有关规定及相关标准进行设计，并经由国家指定的检验机构所审批的图样和技术文件进行制造。防爆合格证编号：GYB90221。

仪表的防爆类别为Ⅱ类隔爆型 B 级 T4 组，其标志为 d Ⅱ BT4。

仪表适宜在有爆炸危险的场所内用来测量非结晶、非凝固的爆炸性混合物或各种无爆炸的介质压力。

仪表可与具有相应防爆性能或采取相应的安全措施的电器器件（如继电器及接触器等）配套使用，便能对被控系统实现自动控制及发信（报警）的目的。

Description

Explosion-proof contact pressure gauge is produced based on GB3836.1-83 "General requires on explosion-proof equipment" and GB3836.2-83 "General requires on explosion-isolation equipment, d". Approved by national verification offices. Certificate number is GYB90221.

Explosion-proof grade II, explosion-isolation grade B, T4, mark is d II BT4.

Gauge measures pressure of explosive medium that are not crystallized, not condensate or normal medium which are not explosive.

Matched with related electric element (like relay and contactor), it can control system automatically and alarm.

技术参数

- 精确度等级：1.5
- 标度范围：
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；-0.1~-0.06；
-0.1~-0.15；-0.1~-0.3；-0.1~-0.5；-0.1~-0.9；-0.1~-1.5；-0.1~-2.4Mpa

Technical parameter

- precision class: 1.5
- Scale scope:
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；-0.1~-0.06；
-0.1~-0.15；-0.1~-0.3；-0.1~-0.5；-0.1~-0.9；-0.1~-1.5；-0.1~-2.4Mpa

防爆电接点压力表

explosion-proof electric contact-pressure gauge



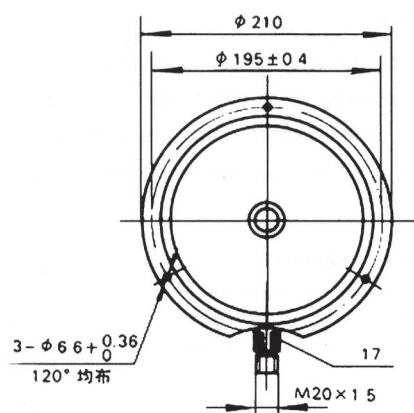
YX-160-B 系列
YX-160-B series

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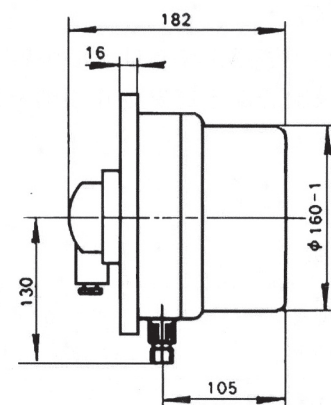
- 控制方式：上、下限缓行接点开关
- 最高工作电压：DC 220V 或 AC380V
- 触点功率：10VA
- 工作位置：垂直安装
- 使用环境条件：-10~50℃，相对湿度不大于 80%，且爆炸性混合物应属于 II B 级 T4 组以下，且工作振动和被测介质的急剧脉动应对仪表触头的可靠动作而影响。
- 温度影响：使用温度偏离 $20 \pm 5^\circ\text{C}$ 时，其设定误差变化不大于 $0.6\% / 10^\circ\text{C}$ 。
- 绝缘强度：50HZ 正弦交流电 2000V 历时一分钟
- 重量：6kg

- Control: upper and lower limit slow contact switch
- Max voltage: DC 220V or AC 380V
- Contactor power: 10W
- Location: vertical installation
- Environment: -10~50℃, relative humidity not more than 85%, explosive Mixture is within IIB T4, vibration and medium fluctuation has no impact to gauge actions;
- Temperature impacts: setting point error is not more than $0.6\% / 10^\circ\text{C}$
- When temperature deviation is $20 \pm 5^\circ\text{C}$
- Insulation: one minute for 50HZ 2000V circuit
- Weight: 6kg

尺寸



Dimensions



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