天康集团

YX系列电接点压力表

YX Series Electric Contact Pressure Gauge

产品应用 Product Application

主要测压元件及仪表外壳均采用不锈钢材料设计，适于测量腐蚀性较强的气体及液体的压力。通过对表体内充油，利用液体阻尼确保无振动显示，适用于测量介质强烈脉动及环境震动较大的场所。

The main pressure-sensitive components and the casing of the Gauge are designed using stainless steel materials, making it suitable for measuring the pressure of corrosive gases and liquids. By filling the Gauge with oil and utilizing liquid damping, it ensures vibration-free display, making it suitable for measuring pressure in environments with intense media pulsations and significant environmental vibrations.

与隔离体的配接 Integration with Isolators

以上各类型的仪表均可与本公司生产的使用不同材料膜片的隔离体配接，组成隔膜式电接点压力表，适用于测量多种腐蚀性较强及粘度大易结晶介质的压力。

The above-mentioned types of Gauges can be combined with isolators using diaphragms made of different materials produced by our company, forming a diaphragm-type electrical contact pressure gauge. This configuration is suitable for measuring the pressure of various corrosive, highly viscous, and prone to crystallization media.

技术参数 Main Technical Specifications

测量范围 Measurement Range	最小：0~0.1MPa，最大：0~250 MPa，负压范围：- 0.1 ~2.4MPa Minimum: 0~0.1MPa, Maximum: 0~250Mpa, Negative Pressure Range: -0.1~2.4MPa
指示精度 Indication Accuracy	Φ60：2.5%，Φ100/Φ150：1.5%（1.0%可选）
最高工作电压 Maximum Working Voltage	DC24V，AC380V或DC220V
最大工作电流 Maximum Working Current	10A
防护等级 Protection Rating	IP55/IP65
仪表玻璃 Gauge Glass	有机玻璃、安全玻璃 Organic glass, safety glass

产品分类 Product Classification

电接点压力表品种可分为直接作用式和磁助直接作用式，具体电气参数如下表：

The varieties of electrical contact pressure gauges can be categorized into direct-acting type and magnetically assisted direct-acting type. The specific electrical parameters are shown in the following table:

接点形式 Contact Type	额定功率 Rated Power	最高工作电压 Maximum Working Voltage	最大允许电流 Maximum Allowable Current
直接作用式 Direct-Acting Type	10	380	0.7
磁助直接作用式 Magnetically Assisted Direct-Acting Type	30	380	1.0

选型指南 Selection Handbook

电接点压力表YX- Electric Contact Pressure Gauge YX-												
电接点形式 Contact Type 直接作用式 Direct-Acting Type 无 磁助直接作用式 Magnetically Assisted Direct-Acting Type C												
壳体+元件材质 Casing shell+Element Material 碳钢+铜 Carbon Steel+Copper 无代码 No code 不锈钢+不锈钢 Stainless Steel+Stainless Steel B												
压力表类别 Pressure Gauge Category 不耐震 Non-Seismic 无代码 No code 耐震 Seismic N												

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配隔膜体 Isolator Configuration	
不配隔膜体 No Isolator	无代码 No code
隔膜螺纹 Isolator Thread	ML
隔膜法兰 Isolator Flange	MF

连接符号	
Connection Symbol	-

表盘直径 Dial diameter	
Φ60	60
Φ100	100
Φ150	150
其他 Other	

安装方式 Mounting Method	
径向直接安装 Radial Direct Mounting	无代码 No code
其他 Other	文字说明 Specify in text

过程连接 Process Connection	
法兰连接 Flange Connection	文字说明 Specify in text
螺纹连接 Threaded Connection	文字说明 Specify in text

膜片材质 Diaphragm Material	
316L SS	316
H.C合金 H.C Alloy	HC
Ta	Ta
Ti	Ti
蒙乃尔 Monel	M
316喷四氟	
316+PTFE	
316 with PTFE coating	
其他 Other	文字说明 Specify in text

精度等级 Accuracy Class
1.0
1.6
2.5
其他 Other

表壳填充液 Case Filling Liquid	
硅油（低粘度）Silicone Oil (Low Viscosity)	H
硅油（高粘度）Silicone Oil (High Viscosity)	I
甘油 Glycerin	J

附件可选 Optional Accessories	
阻尼器 Damper	ZN
散热器 Heat Sink	SR
过压保护器 Overpressure Protector	OP
冷凝管 Condensing Tube	SP
其他 Other	文字说明 Specify in text

注：配隔膜体型时，壳体和元件材质必须为不锈钢。
Note: When using an isolator configuration, the casing and element material must be stainless steel.