

# MUJIE 慕杰®

YOUR AUTOMATION, YOUR MUJIE!

高精度压力传感器融合了当代最先进的压力传感器技术，性能优异稳定，特别适合高稳定性高精度要求的场合

压力传感器MMI01系列  
Pressure sensor MMI01 series

High precision pressure sensor integrates the most advanced pressure sensor technology, with excellent and stable performance, which is especially suitable for occasions with high stability and high precision requirements



## ► 技术规格 Specification

输出信号 (X) output signal	电气接头 (X) Electrical connector	机械连接 (X) Mechanical connection	压力量程及单位 (XXX) Pressure range and unit	特殊标识 (XXX) Distinctive emblem	
3=1~5V 6=0~5V 7=0~10V 8=4~20mA X=特殊输出 Special output	1=电缆1米 1 meter cable 2=特殊电缆长度 Special cable length 3=DIN43650连接器 connector 5=特殊接口 Special interface	2=1/4BSP(G-1/4) 3=7/16-20SE-4 5=1/4-18NPT X=特殊端口 Special port	005PG=0~5psig 015PG=0~15psig 030PG=0~30psig 050PG=0~50psig 100PG=0~100psig 300PG=0~300psig 500PG=0~500psig 01KPG=0~1000psig 03KPG=0~300psig 05KPG=0~5000psig 10KPG=0~10000psig	001BG=0~1Barg 002BG=0~2Barg 005BG=0~5Barg 007BG=0~7Barg 010BG=0~10Barg 020BG=0~20Barg 035BG=0~35Barg 070BG=0~70Barg 100BG=0~100Barg 200BG=0~200Barg 250BG=0~250Barg 350BG=0~350Barg 700BG=0~700Barg	表示 Represented by 3 digits C=CE认证 C=CE certification

示例 Example: (MMI01-XXX-XXX-X)

MMI01-632-100PG表示MMI通用型, 0~5V输出, DIN43650连接器, 无特殊要求, 1/4BSP外螺纹接口和100PSI表压量程。 MMI01-632-100PG means MMI universal type, 0~5V output, DIN43650 connector, no special requirements, 1/4BSP external thread interface and 100PSI gauge pressure range.

MMI01-815-035BG-C表示MMI通用型, 4~20mA输出, 1米电缆, 要求CE认证过, 1/4NPT外螺纹接口和35Bar表压量程。 MMI01-815-035BG-C means MMI universal type, 4~20mA output, 1m cable, CE certified, 1/4NPT external thread interface and 35Bar gauge pressure range.

## ► 静态性能 Static performance

信号输出类型 Output type	0-5V, 1-5V, 0-10V, 1~20mA				
规格 specifications	单位 Unit	最小值 minimum value	典型值 typical value	最大值 maximum	备注 Remarks
零点偏差 Zero deviation	%Span	-0.25	+/-0.1	+0.25	2,3
量程误差 Range error	%Span	-0.25	+/-0.1	+0.25	2,3
精确度 Precision	%Span	-0.1	+/-0.05	+0.1	2,4
长期稳定性 long term stability	%Span/年 year		+/-0.1		
电源电压 Power supply voltage	V	12		30	1
绝缘电阻 insulation	Mohm	10			@100VDC

备注 Remarks:

1. 对于0~10V产品, 电源电压必须高于输出电压3V; 1. For 0~10V products, the power supply voltage must be higher than the output voltage of 3V;

2. 所有数据均参照室温(25°C)校准; 2. All data are calibrated with reference to room temperature (25°C);

3. 包括非线性(最佳拟合曲线)滞后和重复性。 3. Including nonlinear (best fitting curve) lag and repeatability.

## ► 环境影响 environmental effect

规格 specifications	单位 unit	最小值 minimum value	典型值 typical value	最大值 maximum	备注 Remarks
工作温度 Working temperature	摄氏度 Degree Celsius	-20		100	1
补偿温度 Compensating temperature	摄氏度 Degree Celsius	0		70	1
总误差 Overall error	%Span	-0.25	+/-0.15	+0.25	2,3,4
保护等级 Protect grade				IP65(电缆型) IP65 (cable type)	
介质兼容性 Media compatibility		与17-49H或316不锈钢兼容的所有介质 All media compatible with 17-49H or 316 stainless steel			

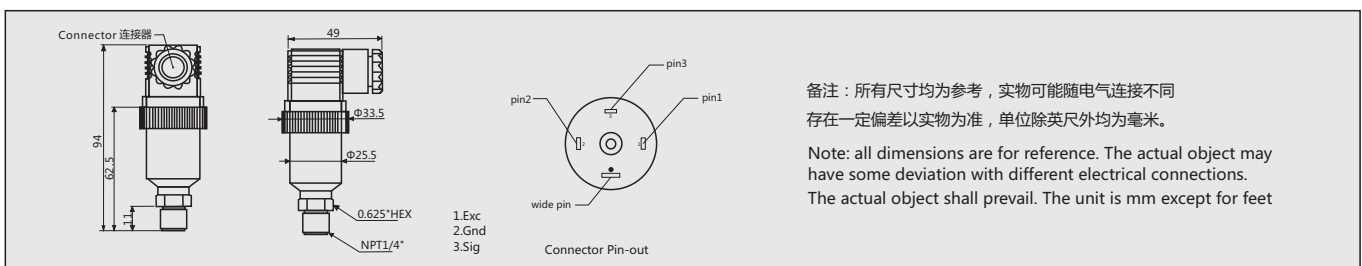
备注 Remarks:

所有数据均参照室温(25°C)校准, 误差指补偿温度范围内。 All data are calibrated with reference to room temperature (25°C), and the error refers to the compensation temperature range.

## ► 物理规范 Physical specifications

规格 specifications	数值 numerical value	备注 Remarks
量程 measuring range	0-1000Bar	1
安全过载 Safety overload	2倍额定压力 2 times rated pressure	1
破坏压力 Failure pressure	4倍额定压力或25000psi 4 times rated pressure or 25000psi	3
冲击 lash	100G 11ms	
压力循环 Pressure circulation	1千万次循环, 从0到满量程 10 million cycles, from 0 to full scale	

## ► 安装尺寸图 Mounting Dimensions (单位 Unit: mm)



编码器/磁栅尺  
Encoder/Magnetic Scale

位移/倾角/计数器  
Displacement /Inclination /Counter

接近/加速度/温度  
Proximity/Acceleration/Temperature

光电/超声波/区域  
Photoelectric/Ultrasonic/Area

压力/称重  
Pressure / load cell

联轴器/附件  
Couplings/Accessories