

JS30 系列电控手柄 JS30 Series of Joystick

➤ 产品介绍 Product Description

JS30是一款紧凑型单轴手柄。

JS30 is one of our single-axis joysticks with compact size.

非接触式霍尔原理传感器的应用,使产品具有超长的使用寿命。

With Hall-effect, non-contact sensor equipped, the unit has ultra-long operation life.

PCBA完全灌封,整个产品无惧风雨。

With PCBA potted entirely, the entire product is fearless of the harshest environment.

➤ 产品应用 Applications

- 工程机械操控面板
Control panel of off-road equipments



- 工业遥控器
Industrial radio remote control units



➤ 产品特点 Features

- 单轴手柄;
Single axis.
- 结构紧凑, 便于并排安装;
Compact size, ideal for paralleled arrangement.
- 电路部分IP67, 无惧风雨;
Electronics part IP67, brave the elements.
- 模拟量、PWM, CAN多种信号输出;
Variety of outputs of analog, PWM, and CAN.
- 多种上端可选;
Various knobs optional.
- 性能非常稳定、性价比高;
Extremely stable, cost-effective.

➤ **主要技术参数 Technical Specifications****机械性能 Mechanical specifications**

旋转角度	Mechanical operating angle	Y axis: $\pm 25^\circ$
操作力	Operating force	0~1.5N
使用寿命	Life expectancy	2 million cycles 200 万次
重量	Weight	100g

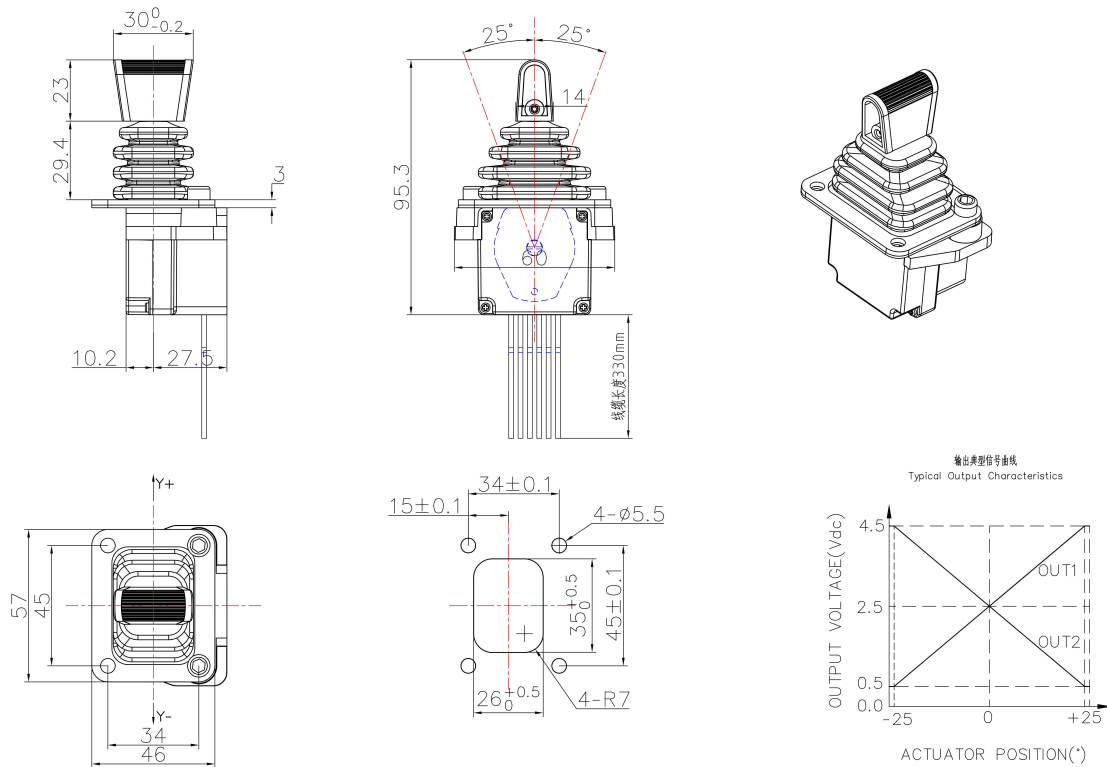
电气性能 Electrical specifications

传感类型	Sensor type	Hall-effect 霍尔
供电电压	Operating Voltage	10-30 Vdc, $5\pm 10\%$ Vdc
输出信号	Effective output	APS, PWM, Dual APS, Dual PWM, APS/IVS, CAN(SAE J1939), CAN open
解析率	Resolution	12 bit
精度	Accuracy	Max 1.0% FS
整体线性度	Integral Linearity	$\pm 1\%$
同步度	Integral Correlation	$\pm 1\%$
输出迟滞	delay time of output signal	approx. 3ms
过压保护	Over-voltage proof	yes
电源反接保护	Reverse polarity protection	yes

环境测试 Environmental specifications

工作温度	Operating temp. range	-40°C~125°C
储存温度	Storage temp. range	-40°C~125°C
防护等级	IP Class	IP67
振动测试	Vibration	20g
机械冲击	Mechanical Shock	50g
电磁兼容性	EMI	100V/m
静电	ESD	$\pm 8\text{kV}$ (contact discharge) $\pm 15\text{kV}$ (air discharge)

➤ 外形&安装尺寸 Mechanical Dimensions(mm)



➤ 编号规则 Product Code Reference

JS30	LV	4	-	F	-	00
底座系列 Base Family Name	供电电压 Supply Voltage	输出信号 Signal Output		摇杆把手类型 Knob Type		其它订制信息 Other Customized Details
	LV- 5±10% Vdc	0- 1-5V,Single(HV)		F- flat shaped knob		
	HV- 10-30 Vdc	1- 4-20 mA, Single (HV)		R- round shaped knob		
		2- 1-5V,Dual(HV)				
		3- 4-20mA, Dual (HV)				
		4- 0.5-4.5V ratiometric,Dual(LV)				
		6- 0.5-4.5V ratiometric,Single(LV)				
		7- 0.5-4.5V,Single(HV)				
		8- 0.5-4.5V,Dual(HV)				

9- 0-5V,Single(HV)
O- CAN open
J- CAN J1939