

HSR-CR607-890

Six axis joint robot series

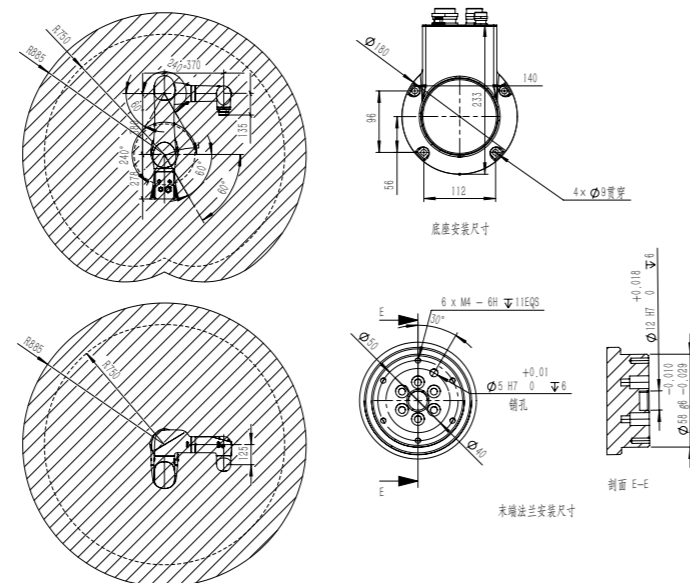
Introduction

The industrial collaborative robots HSR-CR605-790/CR607-890 have the following functions: anti-collision test, high degree of protection, high and low speed mode, and high expansion capability. When the robot bumps into an external facility (subject to external force), it can quickly detect and stop moving, which enhances the safety. With high degree of protection, it can cope with a variety of complex industrial environments. Compared with traditional industrial robots and collaborative robots, their biggest difference is that the working mode has high-speed mode and collaborative mode. Robots in high-speed mode is more efficient, and robots in collaborative mode is more intelligent and safer.



Product model	HSR-CR607-890	
Degree of freedom	6	
Payload	7kg	
Maximum operate radius	885mm	
Repeat positioning accuracy	±0.02mm	
Range of motion	J1	±360°
	J2	-240°/+60°
	J3	-60°/+240°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum speed	J1	200°/s, 3.49rad/s
	J2	200°/s, 3.49rad/s
	J3	300°/s, 5.23rad/s
	J4	300°/s, 5.23rad/s
	J5	300°/s, 5.23rad/s
	J6	375°/s, 6.54rad/s
Allowable moment of inertia	J6	0.37kgm ²
	J5	0.54kgm ²
	J4	2.08kgm ²
Allowable ptorque	J6	11.08Nm
	J5	18.9Nm
	J4	37.8Nm
Applicable environment	TEMP	0°C~45°C
	Humidity	20%~80%
	Other	Avoid contact with inflammable or corrosive gas and liquid, Stay away from electronic noise(plasma)
Teach pendant cable length	8m	
Machine- Power box connect cable length	3m	
I/O parameters	Pins:16Pin input, 16Pin output	
Body Reserved Signal Line	8Pin (aviation plug)	
Pneumatic tube	1*Φ6	
Battery capacity	2.55KVA	
Rated power / Voltage / Current	1.95KW/Single AC220V/9.3A	
Body/Electric Cabinet Protection Level	IP67/IP20	
Installation method	Ground, Upside down	
Machine/power box weight	35kg/15kg	

Operation Parameter



HSR-CR610-1500

Six axis joint robot series

Introduction

The HSR-CR610-1500 industrial collaborative robot has the following functions: collision detection, drag teaching, high precision, high rigidity, and high protection. Compared with traditional industrial robots and collaborative robots, it not only possesses the high-speed, high-precision, and high rigidity characteristics of industrial robots, but also the safety, reliability, and easy operation characteristics of collaborative robots. The robot has a protection level of IP67 and can handle different application scenarios. Suitable for application scenarios such as assembly, loading and unloading, gluing, welding, and screw locking.



Product model	HSR-CR610-1500	
Degree of freedom	6	
Payload	10kg	
Maximum operate radius	1455mm	
Repeat positioning accuracy	±0.03mm	
Range of motion	J1	±360°
	J2	±360°
	J3	-75° / +255°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum speed	J1	240°/s / 4.18rad/s
	J2	250°/s, 4.36 rad/s
	J3	240°/s / 4.18rad/s
	J4	480°/s, 8.38 rad/s
	J5	360°/s, 6.28rad/s
	J6	720°/s, 12.56 rad/s
Allowable moment of inertia	J6	0.45kgm ²
	J5	1.04kgm ²
	J4	0.59kgm ²
Allowable ptorque	J6	15Nm
	J5	31Nm
	J4	23Nm
Applicable environment	TEMP	0~50°C
	Humidity	20%~80%
	Other	Avoid contact with inflammable or corrosive gas and liquid, Stay away from electronic noise(plasma)
Teach pendant cable length	8m	
Machine- Power box connect cable length	3m	
I/O parameters	Pins:32Pin input, 32Pin output	
Body Reserved Signal Line	12Pin(aviation plug)	
Pneumatic tube	1*Φ6	
Battery capacity	2.8KVA	
Rated power / Voltage / Current	2.23KW/Single AC220V/12.1A	
Body/Electric Cabinet Protection Level	IP67/IP20	
Installation method	Ground, Upside down	
Machine/power box weight	55kg/15kg	

Operation Parameter

