

Basic specifications

Item		Model	SR1-X			SR1-P			
Basic specifications	Driver model		SR1-X05	SR1-X10	SR1-X20	SR1-P05	SR1-P10	SR1-P20	
	Applicable motor output		200V 100W or less	200V 200W or less	200V 600W or less	200V 100W or less	200V 200W or less	200V 600W or less	
	Number of controllable axes		Single-axis						
	Controllable robots		Single-axis robot FLIP-X (exclude T4L, T5L)			Linear motor single-axis robot PHASER			
	Maximum power consumption		400VA	600VA	1400VA	400VA	600VA	1400VA	
	Capacity of the connected motor		100W	200W	600W	100W	200W	600W	
	Dimensions		W74 × H210 × D146mm			W99 × H210 × D146mm	W74 × H210 × D146mm		W99 × H210 × D146mm
	Weight		1.54kg			1.92kg	1.54kg		1.92kg
	Control power supply		Single phase AC100 to 115/200 to 230V +/-10% maximum 50/60Hz						
	Input power supply	Motor power supply	Single phase AC100 to 115/200 to 230V +/-10% maximum 50/60Hz		Single phase AC200 to 230V +/-10% maximum 50/60Hz	Single phase AC100 to 115/200 to 230V +/-10% maximum 50/60Hz		Single phase AC200 to 230V +/-10% maximum 50/60Hz	
Axis control	Drive method		AC full-digital software servo						
	Position detection method		Multi-turn resolver with data backup function			Magnetic linear scale			
	Operating method		Programming, I/O point tracing, Remote command, Operation using RS-232C communication						
	Position indication units		mm (millimeters), deg (degrees)						
	Speed setting		1% to 100% (Setting by 1% unit)						
	Acceleration setting		1. Automatic speed setting per robot No. and payload 2. Setting based on acceleration and deceleration parameter (Setting by 1% unit)						
	Resolution		16384 P/rev			1µm			
Origin search method		Absolute, Incremental			Incremental, Semi-absolute				
Program	Program language		YAMAHA SRC						
	Multitasks		4 tasks maximum						
	Point-data input method		Manual data input (coordinate value input), Direct teaching, Teaching playback						
Memory	Programs		100 programs 255 steps / 1 programs 3000 steps / total						
	Points		1000 points						
External input/output	STD.DIO	I/O input	Dedicated input 8 points, General input16 points						
		I/O output	Dedicated Output4 points, General output16 points						
	SAFETY		Emergency stop input (Normal close contact point input), service mode input						
	Brake output		Relay contact			-			
	Origin sensor input		Connectable to DC 24V normally-closed contact sensor						
	External communications		RS-232C: 1CH (For communication with HPB / HPB-D or PC)						
	Analog input/output		Input 1ch (0 to +10V) Output 2ch (0 to +10V)						
	Options	Slots	Type	1					
Type			NPN/PNP:	Dedicated input 8 points, Dedicated Output 4 points, General input 16 points, General output 16 points					
			CC-Link:	Dedicated input 16 points, Dedicated Output 16 points, General input 32 points, General output 32 points					
			DeviceNet™:	Dedicated input 16 points, Dedicated Output 16 points, General input 32 points, General output 32 points					
		PROFIBUS:	Dedicated input 16 points, Dedicated Output 16 points, General input 32 points, General output 32 points						