YK510XE-10

Standard type: Medium type

LOW COST HIGH PERFORMANCE MODEL



Arm length 510mm Maximum payload 10kg

Ordering method

YK510XE- 10 -200

No entry: None S: With hollow of

RCX340-4

Specify various controller setting items For details about controller, refer to the RCX340 catalog or view YAMAHA' s website.

Note. The return-to-origin method is provided only in the sensor specifications, but not in the stroke end specifications.

■ Specifications							
		X-axis	Y-axis	Z-axis	R-axis		
Axis	Arm length		235 mm	275 mm	200 mm	-	
specifications	Rotation angle		+/-134 °	+/-152 °	-	+/-360 °	
AC servo motor output			400 W	200 W	200 W	200 W	
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled Timin		ng belt		
	method	Speed reducer to output	Direct-coupled		Timing belt		
Repeatability Note 1		+/-0.01 mm		+/-0.01 mm	+/-0.01 °		
Maximum speed			7.8 n	n/sec	2 m/sec	2600 °/sec	
Maximum payload			10 kg (Standard specification, Option specifications Note 4), 9 kg (Option specifications Note 5)				
Standard cycle time: with 2kg payload Note 2			0.38 sec				
R-axis tolerable moment of inertia Note 3			0.3 kgm ²				
User wiring			0.2 sq × 20 wires				
User tubing (Outer diameter)			ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m				
Weight			25 kg				

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions and performing the coarse positioning arch operation.

Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and offset amount for R-axis moment of inertia settings.

Note 4. Maximum payload of the standard or option specifications (brake release switch type, user wiring/tubing through cap type) is 10 kg Note 5. Maximum payload of the option specifications (tool flange mount type, user wiring/tubing through shaft type) is 9 kg.

■ Controller						
Controller	Power capacity (VA)	Operation method				
RCX340	1700	Programming / Remote command / Operation using RS-232C communication				

Note. The movement range can be restricted by adding the X- and Y-axis mechanical stoppers. (The maximum movement range was set at shipment)

See our robot manuals (installation manuals) for detailed

information.

To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

> Our robot manuals (installation manuals) can be downloaded from our website at the address below

