YK180X Standard type: Extra small type

Arm length 180mm
Maximum payload 1kg

■ Ordering method

Cable 3L: 3.5m 5L: 5m 10L: 10m

Specify various controller setting items. RCX340 ▶ **P.566**

■ Controller

RCX340

information

RCX340-4 YK180X - 100

			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		71 mm	109 mm	100 mm	-
specifications	Rotation angle		+/-120 °	+/-140 °	-	+/-360 °
AC servo motor output			50 W	30 W	30 W	30 W
Deceleration mechanism	Transmission	Motor to speed reducer	r Direct-coupled			
	method	Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum speed			3.3 m	n/sec	0.7 m/sec	1700 °/sec
Maximum payload			1.0 kg			
Standard cycle time: with 0.1kg payload Note 2			0.39 sec			
R-axis tolerable moment of inertia Note 3			0.01 kgm²			
User wiring			0.1 sq × 6 wires			
User tubing (Outer diameter)			ф 3 × 2			
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 (Excluding robot cable) Note 4			5.5 kg			
Robot cable weight			1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)			

Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed

Controller Power capacity (VA) Operation method

500

Programming / I/O point trace / Remote command /

Operation using RS-232C communication

Our robot manuals (installation manuals) can be downloaded from our website at the address below https://global.yamaha-motor.com/business/robot/

Note 1. This is the value at a constant ambient temperature.

Note 2. When reciprocating 100mm in horizontal and 25mm in vertical directions.

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

Note 4. The total robot weight is the sum of the robot body weight and the cable weight.

