

on the I/O board, and P to P4 when PNP is selected.

Note 1.	Use N to N4 when NPN is selected
Note 2	Available only for the master

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis Arm length (r			105	75	50	-
specifications	Rotation angle (°)		+/-125	+/-145	-	+/-360
AC servo motor output (W)		30	30	30	30	
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission method	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1 (XYZ mm) (R °)		+/-0.005		+/-0 01	+/-0.004	
Maximum speed (XYZ m/sec) (R °/sec)		3	.3	0.9	1700	
Maximum payload (kg)		10				
Standard cycle time with 0.1kg payload Note 2 (sec)			0.33			
R-axis tolerable moment of inertia Note 3 (kgm²)			0.01			
User wiring (sq × wires)			0.1 × 8			
User tubing (Outer diameter)			φ4 × 2			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length (m)			Standard: 2 Option: 3.5, 5, 10			
Weight (kg) (Excluding robot cable) Note 4			4.1			
Robot cable weight			0.9kg (2m) 1 5kg (3.5m) 2.1kg (5m) 4.2kg (10m)			
Note 1. This is the value at a constant ambient temperature. (X.V. aves)						

■ Controller						
Controller	Power capacity (VA)	Operation method				
RCX240	500	Programming / I/O point trace / Remote command / Operation using RS-232C communication				

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When moving 25mm in vertical direction and 100mm in horizontal direction reciprocally. Note 3. There are limits to acceleration coefficient settings. See P430. Note 4. The total robot weight is the sum of the robot body weight and the cable weight.

YK180XG	
Connector for user wiring (No. 1 to 8 usable, socket contact) J.S.T. Mig Co., Ltd. SM connector SMR-8V-8, pin SYM-001T-00-6 (supplied) Use the YC12 crimping machine. Do not attach any wire or tube to self-supporting cable. Doing so may degrade positioning accuracy. If attaching wire or tube, make use of these air tubes. For details, refer to "10 When attaching a new user wire or tube" in Chapter 3. 316 (Maximum 322 during arm rotation) 10 (Maximum 120 during arm rotation) User tubing 2 (ф4) User tubing 2 (ф4) User tubing 2 (ф4) M3 ground terminal	Working envelope X, Y-axis origin is at ±5° with respect to front of robot base When performing return-to-origin, move the axes counterclockwise in advance from the position shown above. User tubing 1 (ф4)
4-M3 x 0.5, depth: 7	Y