## YK300XGS

Wall-mount / inverse type

Arm length 300mm
Maximum payload 5kg

Note. Built-to-order product. Contact us for the delivery period.

■ Ordering method

YK300XGS

W: Wall-mount ame as per external viev U: Inverse wall-mount (upside down)

150

No entry: None
F: With tool flange
No entry: None
S: With hollow shaft

3L: 3.5m

RCX240S

Usable for CE Expan I/O <sup>№</sup> No entry: Standard E: CE marking

N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40

Controller

No entry: None CC: CC-Link
DN: DeviceNet
PB: Profibus
EN: Ethernet
EP: EtherNet/IP
YC: YC-Link

No entry: None
VY: iVY (Vision)
TR: iVY+Light
+Tracking
LC: iVY+Light

No entry: None

BB

. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

Usen t to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.

Available only for the master. See P.39 for details on YC-Link system.

Note 3.

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length (mm)		150	150	150	-
specifications	Rotation angle (°)		+/-120	+/-130	_	+/-360
AC servo motor output (W)			200	150	50	100
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission	Motor to speed reducer	Direct-coupled			
	method	Speed reducer to output	Direct-coupled			
Repeatability Note 1 (XYZ: mm) (R: °)			+/-(	+/-0.01 +/-0.01		+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)			4.4		1.0	1020 (wall-mount) 720 (inverse wall-mount)
Maximum payload (kg)			5 (Standard specification), 4 (Option specifications Note 4)			
Standard cycle time: with 2kg payload Note 2 (sec)			0.49			
R-axis tolerable moment of inertia Note 3 (kgm²)			0.05			
User wiring (sq × wires)			0.2 × 10			
User tubing (Outer diameter)			ф4 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length (m)			Standard: 3.5 Option: 5,10			
Weight (kg)			19.5			
Note 1 This is the	value at a consta	nt ambient temperature			_	-

Programming / I/O point trace Remote command / RCX240S 1000 Operation using RS-232C communication

Controller Power capacity (VA) Operation method

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 information.

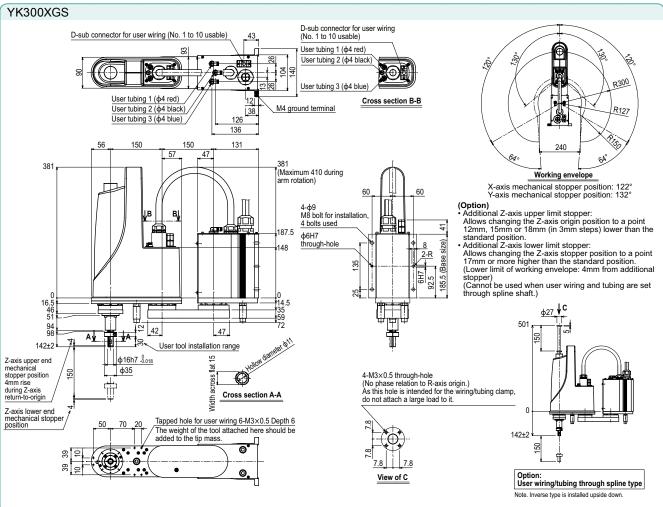
Our robot manuals (installation manuals) can be downloaded from our website at the address below: http://www.yamaha-motor.co.jp/global/industrial/robot/

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

Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).

Note 3. There are limits to acceleration coefficient settings. See P.477.

Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.



Dust-proof & drip-proof type

