

Actuator Specifications

			Max. speed (Note 1) (deg/s)			Max. acceleration/deceleration (G)	
Model	Axis configuration	Operation range (deg.)		Max. payload (kg)	Without load torque (Note 2)	With load torque (Note 2)	
WU-M-WA-PM1- ① - ②	B-axis (wrist swing)	±105	900	600	2	0.7 G (6865 deg/s²)	0.3 G (2942 deg/s²)
	T-axis (wrist rotation)	±360	1200	600		0.7 G (6865 deg/s²)	0.3 G (2942 deg/s²)

Legend: 1 Cable length 2 Options

Cable Length <per axis *1>

Туре	Cable code	
	P (1m)	
Standard type	S (3m)	
	M (5m)	
Specified length	X06 (6m) to X10 (10m)	
	X11(11m) to X15(15m)	
	X16(16m) to X20(20m) *2	
	R01(1m) to R03(3m)	
	R04(4m) to R05(5m)	
Robot cable	R06(6m) to R10(10m)	
	R11 (11m) to R15 (15m)	
	R16(16m) to R20(20m) *2	

Cable between actuator and controller. *1 Required for both B- and T-axes. Select the cable length in the model name to have 2 cables attached.

² When actuator cable length change "AC1.5" is selected as an option, 18 m (X18, R18) will be the maximum length.

Options

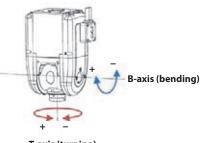
Name	Option Code	Reference page	
Cable exit direction (Right)	A1	See P.5, P.16	
Cable exit direction (Bottom)	A2	See P.5, P.16	
Cable exit direction (Left)	A3	See P.5, P.16	
Actuator cable length 1.5 m	AC1.5	See P.5, P.16	
Cable (air fitting) in opposite position	CVR	See P.5, P.16	
Air fitting	VC	See P.5, P.16	
Wiring collar	WCS	See P.5, P.16	

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ltem	Description			
item	B-axis (wrist swing)	T-axis (wrist rotation)		
Drive system	Pulse motor + timing belt	Pulse motor + timing belt + bevel gear		
Positioning repeatability	±0.015 deg.	±0.15 deg.		
Lost motion	0.06 degrees	0.4 degrees		
Allowable dynamic thrust load *1	450N			
Allowable dynamic load moment *1	4.2N⋅m			
Unit weight	2.8kg			
Brake retaining torque *2	2.8N⋅m	2.8N·m		
Ambient operating temperature/humidity	0~40°C, 85% RH or less (Non-condensing)			

*1 Using the unit with a load exceeding the values above leads to reduced service life and/or damage. *2 Equipped with brake as standard.

Name and Coordinates of Each Axis



T-axis (turning)

