

VT6L Specification

May.2020

Model name		VT6L			
Model number		VT6-A901S	VT6-A901C	VT6-A901P	VT6-A901S-DC
Payload (Load)	Rated	3 kg			
	Max. P point	6 kg			
Max. reach	Joint#1-5 center	920 mm			
	Joint#1-6 flange surface	1000mm			
Repeatability	Joint#1-6	± 0.1 mm			
Max. motion range	Joint#1	166.2 deg / sec			
	Joint#2	122.5 deg / sec			
	Joint#3	141.2 deg / sec			
	Joint#4	268.7 deg / sec	188.1 deg / sec		
	Joint#5	296.8 deg / sec			
	Joint#6	293.2 deg / sec	234.5 deg / sec		
Allowable moment of inertia*1	Joint#4	0.3 kg·m ²			
	Joint#5	0.3 kg·m ²			
	Joint#6	0.1 kg·m ²			
Mounting type*2	S: Table top, SR: Ceiling, SW: Wall	Table top			
Environment	Standard	Cleanroom *3	Protection (IP67)	Standard	
Weight (Cables not included)	40kg	42kg (include the weight of cables)			40kg
Applicable Controller	Built-in controller				
Installed wire for customer use	None (External Wiring Option available)				
Installed pneumatic tube for customer use	None (External Wiring Option available)				
Power	AC100 ~ 240 V				DC 43 ~ 60V *4
Power cable length	5m				2m
Power Consumption*5	1.2 kVA				1.2 kW
I/O	Standard I/O	Input : 24 points Output : 16 points Non-polar, Supported for both Sink and Source			
	Remote I/O	Output : 8 points Output : 8 points (Remote functions are applied to Standard I/O)			
Safety standard	CE, KC				CE, KC

*1 : If the center of gravity is at the center of each arm. If the center of gravity is not at the center of each arm, set the eccentric quantity

*2 : Mounting type other than table top are out of specification. (Cleanroom and IP : Table Top only)

*3 : Clean level: ISO class 4 (ISO14644-1)

*4: When sharing the battery power source with AGV etc., a voltage higher than the stated value may be applied to the robot, depending on the operation of AGV

*5: It depends on operating environment and operation program.