

## VT6L Specification

May.2020

Model name		VT6L			
Model number		VT6-A901S	VT6-A901C	VT6-A901P	VT6-A901S-DC
Payload (Load)	Rated	3 kg			
	Max.	6 kg			
Max. reach	P point :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 <sup>2</sup>			
	Joint#5	0.3 kg·m <sup>2</sup>			
	Joint#6	0.1 kg·m <sup>2</sup>			
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-		
		Remote I/O	Output : 8 points Output : 8 points (Remote		
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 etc.

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