

Built-in controller small 6-axis robot

VT6B

Simple setup with excellent cost-performance
for easy, affordable automation

- 6-axis flexibility with simple setup
- Enhanced wrist rigidity for improved precision
- Built-in controller for space-saving installation
- Batteryless encoder for reduced maintenance



Model Number	VT6 - B 90 1 □
Payload	□ : 6 kg
Arm length	□ : 911mm
Brake equipment	□ : Brakes on all joints
Environment	□ : Standard model □ : Cleanroom model

Specifications

Model name		VT6-B	
Model number		VT6-B901S/SR/SW	VT6-B901C/CR/CW
Arm length	Point P: J1-J5 Center	911.1 mm	
	J1-J6 Flange Surface	992.6 mm	
Payload ^{*1}	Max.	6 kg	
Repeatability	Joint #1-6	±0.03 mm	
Maximum operating speed	Joint #1	166.3 deg/s	
	Joint #2	123.0 deg/s	
	Joint #3	141.2 deg/s	
	Joint #4	268.7 deg/s	
	Joint #5	296.8 deg/s	
	Joint #6	293.2 deg/s	
Allowable moment of inertia ^{*2}	Joint #4	0.3 kg·m ²	
	Joint #5	0.3 kg·m ²	
	Joint #6	0.1 kg·m ²	
Installation environment		Standard / Clean ^{*3}	
Mounting method		Tabletop mounting (Ceiling mounting, Wall mounting) ^{*4}	
Weight (cables not included)	Standard / Clean	43 kg	
Installed wire for customer use		None (Option: External wiring kit)	
Installed pneumatic tube for customer use		None (Option: External wiring kit)	
Compatible controller		Built-in controller	
Power supply		AC: 100 - 240V single phase	
Maximum rated capacity ^{*5}		1.2 kVA	
Cable length		5m	
I/O	Standard I/O	Input: 24 points / Output: 16 points (Non-polar, Supported for both Sink and Source)	
	Remote I/O	Input: 8 points / Output: 8 points (Remote functions are applied to Standard I/O)	
Safety standard		CE, KCs	

*1: Do not apply the load exceeding the maximum payload.

*2: The values when the center of gravity aligned with the center of each arm. If the center of gravity is not at the center of each arm, set the eccentric quantity using INERTIA command.

*3: Cleanliness: ISO Class 4 (ISO14644-1).

*4: Manipulators are set to "Table Top mounting" at shipment. To use the Manipulator as "Ceiling mounting or Wall mounting", please change the model settings on the user side. For details on how to change the model settings, please refer "VT6-B manipulator 3.5.5 changing the Robot" or "Epson RC+ User's Guide Robot Configuration".

*5: Varies depending on operating environment and program.
The values of the products listed in this catalog are measured under conditions of in-house evaluation.
They may vary depending on the environment and conditions of use.

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Dealer's Stamp

Specifications are subject to change without notice and may vary between countries. Please check with local Epson offices for more information.

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