



OTC DAIHEN EUROPE

**Roboter – Technische Daten
Manipulator Specifications**

FD-V700

Model		FD-V700	
Kinematic		Vertical artic. type	
No. of Axes		6	
P-Point (Working Range)		R 3,972 mm	
Maximum Payload Capacity		700 kg	
Positional Repeatability(*1)		± 0.5 mm	
Driving Method		AC Servo Motor	
Working Range	Arm	J1 (Rotation)	± 160°
		J2 (Vertical)	-45° ≈ +85°
		J7	
	Wrist	J3 (Rotation)	-90° ≈ +40°
		J4 (Rotation)	-10° ≈ +90°
		J5 (Bending)	± 125°
Maximum Speed	Arm	J6 (Rotation)	± 10°
		J1 (Rotation)	45°/s
		J2 (Vertical)	30°/s
	Wrist	J7	
		J3 (Rotation)	30°/s
		J4 (Rotation)	30°/s
Maximum Payload	Allowable Moment	J5 (Bending)	50°/s
		J6 (Rotation)	30°/s
		J1 (Rotation)	13,800 Nm
		J2 (Vertical)	3,920 Nm
		J3 (Rotation)	2,940 Nm
		J4 (Rotation)	3,800 kg/m ²
Ambient Temp./Humidity		0 ≈ 45°, 20 ≈ 85%	
Mass (weight)		7,000 kg	
Upper arm max. Carrying capacity(*2)			
Origin Return		Note 3	
Installation Position		F	



- Note 1: Measured value obtained after sufficient repetition of automatic operation for stabilizing conditions.
- Note 2: When the output flange of the wrist axis is loaded with maximum payload capacity.
- Note 3: Positional data protected by battery-backed storage inside the manipulator.
F = Floor W = Wall C = Ceiling



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