



OTC DAIHEN EUROPE

**Roboter – Technische Daten
Manipulator Specifications**

FD-V350

Model		FD-V350	
Kinematic		Vertical artic. type	
No. of Axes		6	
P-Point (Working Range)		R 2,771 mm	
Maximum Payload Capacity		350 kg	
Positional Repeatability(*1)		± 0.2 mm	
Driving Method		AC Servo Motor	
Working Range	Arm	J1 (Rotation)	± 180°
		J2 (Vertical)	+40° ~ -100°
		J3* (Rotation)	-130° ~ -180°
	Wrist	J4 (Rotation)	± 360°
		J5 (Bending)	± 125°
		J6 (Rotation)	± 360
Maximum Speed	Arm	J1 (Rotation)	105°/s
		J2 (Vertical)	95°/s
		J3* (Rotation)	95°/s
	Wrist	J4 (Rotation)	110°/s
		J5 (Bending)	110°/s
		J6 (Rotation)	180°/s
Maximum Payload	Allowable Moment	J4 (Rotation)	2750 Nm
		J5 (Vertical)	2750 Nm
		J6 (Rotation)	1235 Nm
		J4 (Rotation)	400 kg/m ²
		J5 (Bending)	400 kg/m ²
		J6 (Rotation)	250 kg/m ²
Ambient Temp./Humidity		0 ≈ 45°, 20 ≈ 85%	
Mass (weight)		1,620 kg	
Upper arm max. Carrying capacity(*2)		50 kg	
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