



Model	MOTOMAN NEXT-NEX4
Item	
Configuration	Vertically articulated
Degree of freedom	6
Wrist	4kg
Payload On U-arm (*1)	1kg
Repeatability (*2)	0.01mm
S-axis	-170° - +170°
L-axis	-85° - +130°
U-axis	-65° - +200°
Range of motion	-200° - +200°
B-axis	-33° - +213°
T-axis	-455° - +455°
S-axis	8.11rad/s, 465°/s
L-axis	8.11rad/s, 465°/s
U-axis	9.16rad/s, 525°/s
Maximum speed (*3)	9.86rad/s, 565°/s
B-axis	9.86rad/s, 565°/s
T-axis	17.45rad/s, 1000°/s
R-axis	8.86Nm (0.90kgfm)
B-axis	8.86Nm (0.90kgfm)
T-axis	4.9Nm (0.50kgfm)
Allowable moment	0.2kg・m ²
R-axis	0.2kg・m ²
B-axis	0.2kg・m ²
T-axis	0.07kg・m ²
Allowable inertia (GD ² /4)	
B-axis	0.2kg・m ²
T-axis	0.07kg・m ²
Mass	30kg
Protection rating	IP67
Clean rating (reference) (*4)	Equivalent to ISO class 5
Mounting method	Floor-mounted, Wall-mounted Tilt-mounted, Ceiling-mounted
Temperature	0℃-45℃
Humidity	20%RH-80%RH (Non-condensing)
Vibration acceleration	4.9m/s ² (0.5G) or less
Altitude	1000m or less
Ambient conditions	0.5mm or less
Flatness for installation	Free from oil soot. Free from explosive and corrosive gas or liquid. Free from excessive electrical noise (pulsed)
Others	Free from strong magnetic field.
Power requirements (*5)	1KVA
Applicable controller	YNX1000

*1 Load on the U-arm will vary depending on the load weight of the wrist part.
 *2 Repeatability conforms to ISO 9283.
 *3 The maximum speed in this table is the available maximum value and will vary depending on the load, posture, or range of motion.
 *4 The clean rating is for reference and not guaranteed. The power requirement value is obtained using YASKAWA's in-house measurement conditions and will vary depending on the load, motion pattern, or cycle time.
 *5 The posture in this drawing is in the home position.

Units:mm

Temporary Specifications:Sep.21.'23