

Model		MOTOMAN-MPX1950
Structure		Articulated Robot
Degree of Freedom		6
Payload	Wrist	7kg
	on L-arm and on U-Axis	Total 3kg
Repeatability (*1)		±0.15mm
Max. Motion Range	S-Axis (Turning) <Wall> ^{Note.4}	-170° ~ +170° -90° ~ +90°
	L-Axis (Lower Arm)	-100° ~ +140°
	U-Axis (Upper Arm/Lower Arm)	-62° ~ +235°
	R-Axis (Roll)	-200° ~ +200°
	B-Axis (Pitch/Yaw)	-150° ~ +150°
	T-Axis (Twist)	-400° ~ +400°
Max.Speed		1.5m/s
Allowable Moment	R-Axis	19.6N・m (2.0kgf・m)
	B-Axis	19.6N・m (2.0kgf・m)
	T-Axis	9.8N・m (1.0kgf・m)
Allowable Inertia (GD ² /4)	R-Axis	0.6 kg・m ²
	B-Axis	0.6 kg・m ²
	T-Axis	0.16 kg・m ²
Approx.Robot mass		265 kg
Protected structure		Body:IP4X Wrist:IP65
Mounting method		Floor-mounted, Wall-mounted, Ceiling-mounted
Location	Ambient Temperature	0~40℃
	Relative Humidity	20~80%RH (Non-condensing)
	Vibration	Less than 4.9m/s ² (0.5G)
	Altitude	1000m or less
	Others	<ul style="list-style-type: none"> •Free from corrosive gas and liquid. •Free from dust or water. •Free from electrical noise. •Free from strong magnetic fields.
Power Requirements		2.5kVA
Controller		DX200

- Repeatability(*1) is conformed to ISO 9283.
- The robot position shown in this drawing is the home position.

Units: mm

Note1 : Cable install Position is X or Y.

Note2 : You can put The Pressure switch unit (Delivered with the manipulator) anywhere except a manipulator moving area.

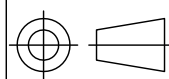
(The allowable length of air tubes between manipulator and pressure switch unit is 20 meters at a maximum.)

Note3 : Refer to Dimension Diagram of Pressure switch unit (Delivered with the manipulator), Dwg. No. 'HW1386250'.

Note4 :S-Axis motion range of Wall-mounted (Tilt-mounted) type is $-90^{\circ} \sim +90^{\circ}$.

Note:

- 1.All rights reserved.
- 2.Please note that the data is subject to be deleted without advance notice.
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SCALE 1:20

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-MPX1950
DIMENSION DIAGRAM

DRWN DATE	Dec.11.' 17
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DWG.NO.	HW1385666
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4