

XR-Series Robot Specifications

Item		Specifications						
Model name of robot system (Note 1)		XR-4341*G	XR-4371*G	XR-4372*G	XR-4373*G	XR-43A12G	XR-43A2*G	XR-43A3*G
Model name of robot unit		XR-4341*GM	XR-4371*GM	XR-4372*GM	XR-4373*GM	XR-43A1*GM	XR-43A2*GM	XR-43A3*GM
Overall arm length		200mm	200mm	250mm	300mm	200mm	250mm	300mm
Motion range / stroke	1st axis (X-axis)	450mm	760mm			1060mm		
	2nd axis (R-axis)	±168°						
	3rd axis (Z-axis)	*=1:135mm、*=2:200mm						
	4th axis (T-axis)	±360°						
Axis combination		X (1st axis) + R (2nd axis) + Z (3rd axis) + T (4th axis)						
Maximum payload		5kg						
Composite speed	Arm tip (X + R-axis)	3650mm/s	3600mm/s			3240mm/s		
	Z-axis / T-axis	Z:1500mm/s, T:720°/s						
Position repeatability (Note 2)	X + R-axis	±0.015mm						
	Z-axis	±0.010mm						
	T-axis	±0.005°						
Maximum allowable inertia moment		0.05kgm ²						
Position detection		Absolute encoder						
Drive motor and brake		AC servomotors for all axes Z-axis equipped with brake						
Brake releasing		Enter a brake release command with the teach pendant or mini-pendant.						
User air piping		1 system (φ8) (with optional manifold valve : 4 systems (φ4x4))						
User signal line		10 (for proximity sensor signals, etc)						
Air source	Operating pressure	0.05 to 0.35 MPa						
	Maximum allowable pressure	0.59 Mpa						
Weight (Approx.) (Note 3)		33kg (72lb)	45kg (99lb)	46kg (101lb)	47kg (103lb)	51kg (112lb)	52kg (114lb)	53kg (116lb)
<p>Note 1: The model name of robot system refers to the model of a complete set, including a robot unit and robot controller.</p> <p>Note 2: Measured at the constant ambient temperature.</p> <p>Note 3: In the case of the heaviest model (Z=200mm)</p>								