Speed and precision

Compact, high performance with extensive configuration options

The SCARA GX4 Series combines speed and precision with a 4kg payload. It takes up little space, thanks to a unique arm geometry which allows the maximum square working area to be increased by up to 40 percent.

Compact, speedy and precise

Designed for pinpoint accuracy in very small workspaces.

Extensive configuration options

Available in various arm lengths and mounting options.

Short cycle times

Cycle times can be as low as 0.33 seconds, even during extended use.

EPSON®

EXCEED YOUR VISION

Technical specifications

Model name		GX4-A		
Model number		GX4-A25	GX4-A301	GX4-A351
Arm length	Joints #1 + #2 (mm)	250	300	350
Arm shape		Standard		Standard / R, L-Curved*1
Payload*2	Rated (kg)	2		
	Maximum (kg)	4		
Repeatability	Joints #1 + #2 (mm)	+/- 0.008	+/- 0.01	
	Joint #3 (mm)	+/- 0.01		
	Joint #4 (deg)	+/- 0.005		
Standard cycle time*3	(sec)	0.33	0.34	0.35
Max. operating speed	Joints #1 + #2 (mm/s)	3550	3950	4350
	Joint #3 (mm/s)	1100		
	Joint #4 (deg/s)	3100		
Joint #4 allowable moment of inertia*4	Rated (kg·m^2)	0.005		
	Maximum (kg·m^2)	0.05		
Joint #3 down force	(N)	150		
Installation Environment		S: Standard, C: Cleanroom*5 & ESD*6, E: ESD*6		
Mounting type		□: Table Top	□: Table Top, M: Multiple	
Cable exit direction		□: Rearward (Table Top) / Upward (Multiple), B: Downward (Table Top only)		
Weight (cables not included)	(kg) or less	Table top: 15	Table top: 15 / Multiple: 17	Table top: 16 / Multiple: 17
Applicable Controller		RC700-D		
Installed wire for customer use		15 pin (D-Sub) x1, 8 pin (RJ45 Cat5e) x1		
Installed pneumatic tube for customer use		ø4mm x1 , ø6mm x2 : Allowable pressure 0.59 MPa (6 kgf/cm^2)		
Power	(V)	AC200-240 Single phase		
Power Consumption*7	(kVA)	1.2		
Cable length*8	(m)	3 / 5 / 10 / 15 / 20		
Safety standard		CE , UKCA		

*1: The curved arm is only supported in 350mm arm table top model.
*2: Do not apply the load exceeding the maximum payload.
*3: Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) at rated payload setting of table top model boost mode (path coordinates optimised for maximum speed).
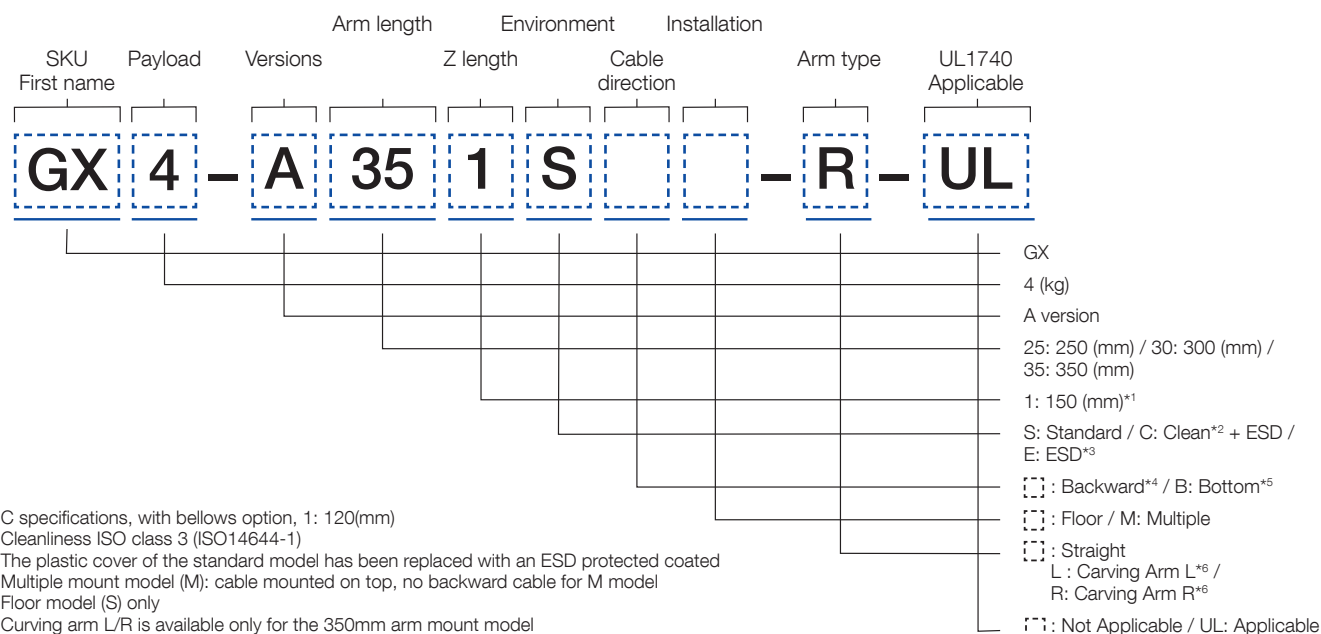*4: Set the parameters by the Inertia command according to the load and end effector status (refer to the instruction manual for the parameter calculation method).
*5: Complies with ISO Class 3 (ISO14644-1) and Fed-std209D Class 1 (less than 10 0.1 m particles per 28,317cm3:1cft) cleanroom standards.
*6: Resin covers are plated with electrolytic nickel to prevent static electricity, and the potential difference is ± 5V or less.
*7: Varies according to operating environment and program.
*8: Standard cable (not flexible cable).

SKU First name — GX
Payload — 4 (kg)
Versions — A version
Arm length — 25: 250 (mm) / 30: 300 (mm) / 35: 350 (mm)
Z length — 1: 150 (mm)*1
Environment — S: Standard / C: Clean*2 + ESD / E: ESD*3
Cable direction — [ ] : Backward*4 / B: Bottom*5
Installation — [ ] : Floor / M: Multiple
Arm type — [ ] : Straight / L : Carving Arm L*6 / R : Carving Arm R*6
UL1740 Applicable — [ ] : Not Applicable / UL: Applicable

Example: GX 4 - A 35 1 S - R - UL

*1: C specifications, with bellows option, 1: 120(mm)
*2: Cleanliness ISO class 3 (ISO14644-1)
*3: The plastic cover of the standard model has been replaced with an ESD protected coated
*4: Multiple mount model (M): cable mounted on top, no backward cable for M model
*5: Floor model (S) only
*6: Curving arm L/R is available only for the 350mm arm mount model

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