

# A-SERIES TECHNICAL SPECIFICATION

		A0509 / A0509s	A0912 / A0912s
<b>Arm</b>	Payload	5 kg (11 lb)	9 kg (19.8 lb)
	Reach	900 mm (35.4 inch)	1,200 mm (47.2 inch)
	Weight	21 kg (46.2 lb)	27 kg (59.5 lb)
	<b>Performance</b>		
	Tool Speed	1 m/s	1 m/s
	Repeatability	±0.03 mm	±0.05 mm
	Temperature	-5~45 °C	-5~45 °C
	<b>Joint Movement (Range : ° / Max Speed : °/s)</b>		
	J1	±360° / 180°/s	±360° / 180°/s
	J2	±360° / 180°/s	±360° / 180°/s
	J3	±160° / 180°/s	±160° / 180°/s
	J4	±360° / 360°/s	±360° / 360°/s
	J5	±360° / 360°/s	±360° / 360°/s
J6	±360° / 360°/s	±360° / 360°/s	
<b>Other Features</b>			
Installation Position	Any (Floor / Ceiling / Wall)		
Protection Rating	IP 54		
Flange Interfaces	Digital I/O 2 In / 2 Out, RS 485* *For pseudo serial communication, refer to the Programming Manual for more details		
I/O Power Supply	DC 24 V / Continuous 2 A (Max. 3 A)		
FTS(6-axis)	Force 110 N/ Moment 11 Nm (Option)		
<b>Controller</b>	Interfaces	USB 3.0 (RS422/485**), TCP/IP **Requires a USB to RS422/485 converter	
	Industrial Network****	Modbus-TCP (Master/Slave) / Modbus-RTU (Master) / EtherNet/IP (Adapter) / PROFINET IO (Device) ****Install a gateway for other communication support.	
	Dimensions	450 x 210 x 265 mm + Stand 110 mm	
	Weight	12 kg	
	Protection Rating	IP 40	
	I/O Port - Digital I/O	16 / 16	
	I/O Port - Analog I/O	2 / 2	
	I/O Power Supply	DC 24 V / Max. 2 A	
	Reated Supply Voltage	100~240 VAC, 50~60Hz	
	Cable Length	6.0 m	
<b>Teach Pendant</b>	Protection Rating	IP 40	
	Dimensions	264 x 218 x 42 mm	
	Weight / Screen Size	0.8 kg / 10.1 inch	
	Cable Length	4.5 m	
<b>Smart Pendant (Option)</b>	Dimensions	180 x 90 x 26.5 mm	
	Weight	0.3 kg (Without cable)	
	Cable Length	6.0 m	