

JOYSTICK COMPARISON

Sensata is a leading joystick supplier to some of the world's most recognizable brands.

- Matched-magnet Hall-effect sensing technology, high mechanical strength, and a robust electrical and software architecture are combined into a high-performance package.
- Designed for reliability, repeatability, and long life in demanding environments.
- Accommodates both standard and custom-designed grips.

Model	Single and Dual-Axis Option	Gate Size	Horizontal Maximum Load	Vertical Maximum Load	Max. Torque (Z-axis)	Life	Operating Temperature	Protection Level	Center Position Tolerance	Output Type
Single Axis Joysticks										
		71 mm x 65mm	110Nm	3000N	20Nm	> 5 million cycles	-20°C to 85°C	IP65	±1.5°	Analog 0.5 ... 4.5V DC, center 2.5 ± 0.15V
AJ11										
		52mm x 42mm (Bottom Mount), 83mm x 20mm (Top Mount)	1000 N	1110 N	25 Nm	> 10 million cycles	- 40°C to 85°C	IP67	±1.5°	PWM – PW2 500 Hz ± 80 Hz CAN Bus – SAE J1939
SAL2										
Dual Axis Joysticks										
	Yes	71 mm x 65mm 50mm x 50mm	600 N @ 70mm	900 N	20 Nm	> 5 million cycles	-40°C to 85°C	IP65	±1.5°	Analog 0.5 ... 4.5V DC, center 2.5 ± 0.15V
AJ22										
	No	61mm x 61mm (Bottom Mount), 77mm x 77mm (Top Mount)	150 Nm	1000 N	20 Nm	> 7.5 million cycles	-40°C to 85°C	IP67	± 2°	CAN Bus - SAE J1939
AJ21										
	No	76.37mm x 76.37mm (Configurable)	1000 N	1110 N	25 Nm	> 10 million cycles	-40°C to 85°C	IP67	±1.5°	PWM – PW2 500 Hz ± 80 Hz CAN Bus – SAE J1939
AJN										
	Yes	71 mm x 65mm	100 Nm	1000 N	20 Nm	> 5 million cycles	-40°C to 85°C	IP65	± 2° + 0.5°	Multiple Voltage, PWM, and CAN Bus Options
AJ3										