



PRODUCT HIGHLIGHT

AJ21 DUAL-AXIS JOYSTICK

The AJ21 is Sensata's latest dual-axis joystick, delivering a rugged design engineered to deliver high protection against harsh and rugged environments and ensuring high reliability over a long lifetime of use in heavy vehicles and mobile elevating work platforms.

PROTECTION FOR HARSH APPLICATIONS

Joystick delivers up to IP67 protection level (dependent on grip options) for rugged MEWP use

EXTENDED LIFETIME

Zinc housing and durable design allow for 7.5 million cycles life

FLEXIBLE GRIP OPTIONS

Designed to accommodate variety of standard and custom-designed multifunction grips

CAN SAE J1939 CONNECTIVITY

J1939 output ideal for integration into industrial vehicles



APPLICATIONS

Crane



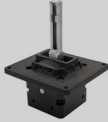


Heavy Duty Lift Truck



Telehandler



JOYSTICK COMPARISON

Key Specifications	 AJ22	 AJ21	 AJ3
Description	Compact Single or Dual-Axis	Dual Axis	Dual-Axis
Gate Size	2 Options: 50x50 mm (1.97x1.97 in) 71x65 mm (2.80x2.56 in)	Bottom mounting 61x61 mm (2.40x2.40 inch) Top mounting 77x77 mm (3.01x3.01 inch)	71x65 mm (2.80x2.56 in)
Output Type	Analog	CAN	Analog, CAN
Horizontal Load Maximum	600 N	150Nm	100 N
Vertical Load Maximum	900 N	1000N	1000 N
Protection Level	IP65	IP65; IP67 Available (Grip-Dependent)	IP65
Housing Material	Plastic	Zinc Alloy	Aluminum
Cost	\$\$	\$\$	\$\$\$

ORDERING OPTIONS

	AJ21	- S	0	X	- Y	J19	0	S6
Model	AJ21 - S 0 X - Y J19 0 S6							
AJ21	AJ21							
Gate Type	S: Square							
Gate Size	0: 61x61 mm 1: 77x77 mm							
X-Axis Operation Torque	X1.3: 1.3 Nm X1.7: 1.7 Nm X2.2: 2.2 Nm							
Y-Axis Operation Torque	Y1.4: 1.4 Nm Y1.7: 1.7 Nm Y2.2: 2.2 Nm							
Output Signals	J19: SAE J1939 based							
Travel	0: X:±16°, Y:±20° 1: X: ±18°, Y:±23°							
Grip	S6: MFG S6 S11: MFG S11 ... others available on request							

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