



## PRODUCT HIGHLIGHT

### | AJ22 SINGLE/DUAL-AXIS JOYSTICK

The AJ22 is Sensata's newest single or dual-axis joystick, delivering high reliability and a long lifecycle in a cost-effective, compact design built on Sensata's proven heavy vehicle/off-road capabilities.

Designed to comply with EN1175 lift truck regulations, the AJ22's lighter design is an ideal fit in a number of material handling applications, such as lift trucks, scissor lifts, boom lifts, and even truck-mounted applications. The modular component also allows for multiple gate sizes for mounting as well as standard and custom grips for ideal ergonomic designs.

#### COMPACT DESIGN

Rugged, miniature design fits in smaller control boxes

#### EN1175 COMPLIANT

Satisfy mandatory regulation (EN1175-2020) related to lift truck safety

#### COST-EFFECTIVE DUAL-AXIS SOLUTION

Deliver dual-axis control with a cost-effective solution for material handling equipment

#### MODULAR DESIGN

Modular solution easily configurable with various gates to adapt to different machines

#### WIDE OPERATING TEMPERATURE RANGE

Suitable in applications from - 40°C to 85°C

#### FLEXIBLE GRIP SOLUTION

Available with custom grips for ergonomic designs  
Compatible with Standard S2 Multifunction and Ball Grips

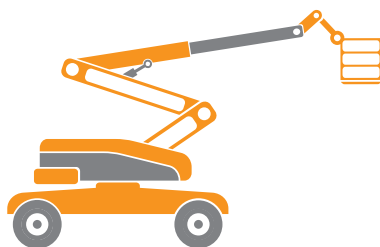


## APPLICATIONS

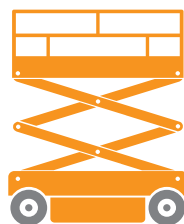
Forklift



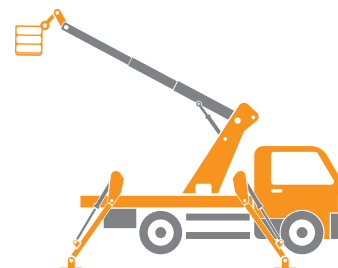
Boom Lift





Slab and Rough  
Terrain Scissor Lifts



Truck-mounted Aerial  
Work Platforms



## JOYSTICK COMPARISON

Key Specifications	 <b>AJ11</b>	 <b>AJ3</b>	 <b>AJ22</b>
Description	Single-Axis	Dual-Axis	Compact Single or Dual-Axis
Gate Size	71x65 mm (2.80x2.56 in)	71x65 mm (2.80x2.56 in)	2 Options: 50x50 mm (1.97x1.97 in) 71x65 mm (2.80x2.56 in)
Output Type	Analog	Analog, CAN	Analog
Horizontal Load Maximum	110 N	100 N	600 N
Vertical Load Maximum	3000 N	1000 N	900 N
Protection Level	IP65		
Housing Material	Zinc + Aluminum alloy	Aluminum	Plastic
Cost	\$\$	\$\$\$	\$\$

## ORDERING OPTIONS

	<b>AJ22</b>	<b>-</b>	<b>S</b>	<b>0</b>	<b>X0.96</b>	<b>-</b>	<b>Y0.96</b>	<b>V08</b>	<b>0</b>	<b>S2</b>
<b>Model</b>										
<b>AJ22</b>										
<b>Gate Type</b>										
<b>S:</b> Square										
<b>X:</b> X-axis single										
<b>Y:</b> Y-axis single										
<b>Gate Size</b>										
<b>0:</b> 50x50 mm										
<b>1:</b> 71x65 mm										
<b>X-Axis Operation Torque</b>										
<b>X0.96:</b> 0.96 Nm										
<b>Y-Axis Operation Torque</b>										
<b>Y0.96:</b> 0.96Nm										
<b>Output Signals</b>										
<b>V08:</b> 0.5 ... 4.5V										
<b>Travel</b>										
<b>0:</b> ± 21.5°										
<b>Grip</b>										
<b>S0:</b> MFG S0										
<b>S2:</b> MFG S2										
... others available on request										

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