

SA-ACxxxST3-000

Static Accelerometer (3 Axis)



Key Features

- > 3 axis sensing
- Possible full-scale range of: ±50 G, ±100 G, ±200 G
- High force event detection

Options:

> Connector and cable length can be modified on customer request

Technical specifications

Electrical characteristics			Mechanical characteristics		
Supply voltage	V	12	Housing material		Aluminum
Output voltage	V	0 to 5	Dimensions	mm	20x20x10.5
Measurement range	G	±50, ±100, ±200	Weight sensor	g	10
Filter frequency	HZ	1000	Weight cable	g	32
Error of linearity	% FS	<1	Cable		Binder 712, 8PM
Shock resistance element	G	10000	Length	mm	1200
Sensitivity (100G) @ X _{out} /Y _{out} /Z _{out}	mV/G	25	Type		Raychem EPD
Zero G voltage	V	2.5	Wire cross section		5xAWG26
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			Environmental data		
			Protection class	IP	67
			Ambient operating range	°C	-25 to +85
			Humidity	%	5 to 95
			Ordering information		
			SA-AC50ST3-000		+50G
			SA-AC100ST3-000		+100G
			SA-AC200ST3-000		+200G
					±2000

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Dimensions







For a more accurate formula please refer to the instructions "How to calibrate the analog input channels of the 3-axis module".

Connector layout

Binde	r 712, 8PM		
Pin	Name	Description	Color
1	n.c.	not connected	-
2	AGND	Analog ground	black
3	n.c.	not connected	-
4	+12V	12V power supply	red
5	X _{out}	X axis signal	white
6	Y _{out}	Y axis signal	green
7	Z _{out}	Z axis signal	yellow
8	n.c.	not connected	-

Connector type



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