

Parameter	Acceleration	Acceleration	Acceleration	Acceleration	Unit
Part number	BS-AU12-30-D1ES	BS-AU12-50-D1ES	BS-AU12-100-D1ES	BS-AU12-200-D1ES	
Model	30g	50g	100g	200g	
Axial	X (parallel to device surface)				
Range	30	50	100	200	g
Bandwidth (adjustable)	100 Default 5~500Hz (optional)				Hz
Bias stability 10 s smooth 1 Sigma	<50	<100	<200	<300	ug
Monthly repeatability	300	500	1000	1500	ug
Zero-bias temperature coefficient	<30	<50	<100	<200	UG/deg C
Zero-bias temperature hysteresis	<3	<5	<7	<10	mg
Scale nonlinearity	<1000	<2000	<3000	<3000	Ppm
Monthly repeatability	<300	<300	<300	<300	Ppm
Scale temperature coefficient	10	10	10	10	Ppm/de g C
Second-order nonlinear coefficient	<100	<100	<50	<50	ug/g ²
Scale	250000	160000	80000	40000	Lsb/g
Start time	<1	<1	<1	<1	s
Sampling frequency (adjustable)	2000	2000	2000	2000	Hz
Live shock	10000	10000	10000	10000	g
Uncharged shock	10000	10000	10000	10000	g
Vibration rectification error (6grms)	<0.5	<0.4	<0.15	<0.05	mg/grm s
Operating temperature	-45-85	-45-85	-45-85	-45-85	Degree s Celsiu s
Supply voltage	5±0.25	5±0.25	5±0.25	5±0.25	V
Electric current	<10	<10	<10	<10	ma
Size	7.8*5.8*3	7.8*5.8*3	7.8*5.8*3	7.8*5.8*3	MM