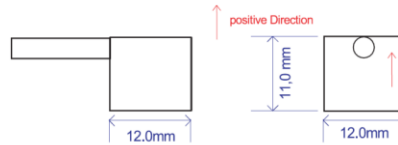


ASC 4211LN



Typical Specifications

DYNAMIC

		Range (\pm g)							
		2	5	10	25	50	100	200	400
Sensitivity	mV/g	2000	800	400	160	80	40	20	10
Frequency response: \pm 5%	Hz	100	100	300	500	650	650	1000	1000
Amplitude non-linearity	% FSO	<1							
Transverse sensitivity	%	3							
Shock limit	\pm g	2000	2000	4000	4000	4000	4000	4000	4000
Recovery time	ms	<1							

ELECTRICAL

Excitation voltage	V DC	8-30							
Supply current	mA	10							
Zero acceleration output	\pm mV	150	150	80	80	80	80	80	80
Output Impedance	Ω	100							
Isolation		Case Isolated							
Spectral noise	μ g/ \sqrt Hz	5	7	10	25	50	100	200	400
Residual / Broadband noise (\pm 5% frequency range)	μ V	100	60	70	90	100	100	125	125

ENVIRONMENTAL

Thermal sensitivity shift	%/ $^{\circ}$ C	0.015							
Thermal zero shift	mg/ $^{\circ}$ C	0.15	0.4	0.75	2	4	7.5	15	30
Operating temperature range	$^{\circ}$ C	-40 $^{\circ}$ C to +100 $^{\circ}$ C							
Storage temperature range	$^{\circ}$ C	-55 $^{\circ}$ C to +125 $^{\circ}$ C							
Humidity/Sealing		Epoxy sealed							

PHYSICAL

Sensing element	MEMS Capacitive	
Case material	Aluminium	
Connector (at cable end)	Optional	
Mounting	Adhesive/screw holes	
Weight (without cable)	gram	3
Cable	12 gram/meter; AWG 30, Polyurethane (PUR); Diameter: 3mm	

FACTORY CALIBRATION (SUPPLIED WITH THE SENSOR)

Range	2g and 5g	10g	25g	50g and 100g	200g and 400g
Sensitivity	at 16Hz and 0.5g	at 80Hz and 5g	at 80Hz and 15g	at 80Hz and 20g	at 80Hz and 20g
Frequency Response	1 to 100Hz	10 to 300Hz	10 to 500Hz	10 to 650Hz	10 to 1000Hz

CALIBRATION DIN ISO 17025 (ORDER SEPARATELY)

Range	2g and 5g	10g	25g	50g and 100g	200g and 400g
Sensitivity	at 16Hz and 0.5g	at 80Hz and 5g	at 80Hz and 5g	at 80Hz and 20g	at 80Hz and 20g
Frequency Response	0.5 to 150Hz	10 to 500Hz	10 to 800Hz	10 to 1600Hz	10 to 2000Hz

Cable Code/Pin Configuration

Red Supply +
 Black Supply -
 Green Signal +
 White Signal -