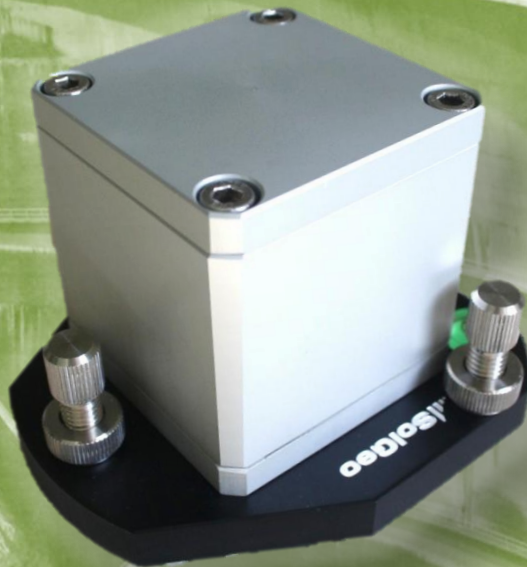


▲ AMS-1C/2C/3C

Solgeo Models AMS mems are high- sensitivity, designed for use in seismic and low level, low frequency motion studies. The accelerometers provide a high level, low impedance output. No signal conditioning is required in most applications.

These sensors utilize low noise mems dispositive to make possible measurements in the low frequency micro-G range.



straight-connector type



corner-connector type

MAIN FEATURES:

- ▲ Single, biaxial or triaxial accelerometer settings within the same case
- ▲ 3 different types of fixing.
- ▲ 3 different output cable types: straight-connector or corner-connector with 90° angle or gland cable.
- ▲ IP67 100% waterproof case.

TECHNICAL FEATURES

ELECTRONIC FEATURES	
Full scale acceleration (Input Range)	± 2 G or ± 5 G
Output Voltage	± 4 Volts
Sensitivity	2000 mv/g – 800mv/g (5g type)
Frequency response	0 – 400 Hz (nominal, -3dB)
Operating voltage	+6 to +18 Vdc 8 mA (for single axis)
Output Impedance	90 Ohms
Dynamic range	> 100 dB
Sensitive Axis alignment	Better Than 0.25 Deg
Scale Factor Temp Coefficient	-250 to 250 Ppm/C° Max (-55 to 125°C). Compensated by internal temperature sensor
Test sensor	External test input Gravity force non balanced
Cross Axis Sensitivity	<2% - Exclude of Sensitive Axis Alignment
Output Noise	<70 μ V RMS from 0 to 50 Hz
Non-Linearity	<0.1%
ENVIROMENTAL	
Temperature, Operating	-40 to +80 Deg C
Temperature, Storage	-50 to +90 Deg C
Shock Survival	2000 G, 0.1 mSec
Ambient Pressure	0 To5 Bar
Humidity	100% Case IP67
PHYSICAL	
Weight	800g
Size	60mm L x 60 mm W x 50 mm H
Case Material	Anodized Aluminum
Electrical Interface	10 terminal Pins
Optional mating connector	Gland cable

