



SEISMOLOGY
RESEARCH
CENTRE



Earthquake & Vibration Sensors

VELOCITY SENSORS

Model	Flat Response	Sensitivity	Power	Tilt Tolerance	Dimensions
GEO-2F°	2 to >1600Hz	22 V/m/s	n/a	5°	80x80x60mm
GEO-5F°	4.5 to >1600Hz	28 V/m/s	n/a	0°	80x80x60mm
GEO-XF°	14 to >1600Hz	80 Vm/s	n/a	omnidirectional	80x80x60mm

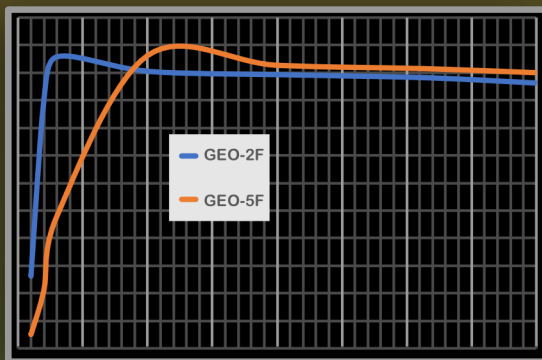
ACCELERATION SENSORS

Model	Self Noise	Flat Response	Output	Power	Clip Level	Dimensions
LCA-2G*	7µg/√Hz	DC to 525Hz	±4V DC	0.1W	±2g	80x80x60mm
LCA-5G*	12µg/√Hz	DC to 800Hz	±4V DC	0.1W	±5g	80x80x60mm
LFA-XR°^	2µg/√Hz	DC to 1600Hz	±5V DC	1.0W	±10g	80x80x60mm
ESS Sigma	0.01µg/√Hz	DC to 400Hz	±20V DC	0.8W	±4g	Ø136x81mm

*Available in Ø56mm borehole casing

*1g offset in vertical axis due to gravity

^NEPE sensor requires regulated voltage/current 18-30VDC and 2-10mA



We've taken the sensors from inside our Gecko seismographs and accelerographs and sealed them into remotely cable casings to use with our affordable Gecko Compact or ERI, or any other seismic data logger.

Low Power & Cost, Compact Geophones & Accelerometers



LFA-XR, LCA-xG
GEO-xF sensors

The sensors used in the Gecko Blast, Force and SMA models can now be optionally housed in a small waterproof case which comes with a single-bolt mounting plate or optional levelling feet and/or spikes.

GEO sensors are available with up to 200m of cable fitted. LCA sensors available with up to 50m of cable fitted. LFA-XR available with up to 500m of cable.



ESS Sigma (above)
GaiaCode Sigma (right)



Research-Grade Accelerometer

The sensor used in the Gecko Sigma is available in the original GaiaCode casing with slotted base fixing, or in the ESS case that uses a central hole to bolt down the sensor.



GEO-xB & LFA-xB
sensors

Borehole Velocity & Acceleration Sensors with Load-bearing Cable

All GEO-xF model geophones and the LFA-XR can be optionally housed in a Ø56mm borehole casing fitted with up to 200m of kevlar-reinforced load bearing cable. Longer cables available on request.

Seismology Research Centre
a division of ESS Earth Sciences
141 Palmer St, Richmond VIC 3121 Australia
T: +61 3 8420 8940 sales@src.com.au
www.src.com.au