



SEISMOLOGY
RESEARCH
CENTRE



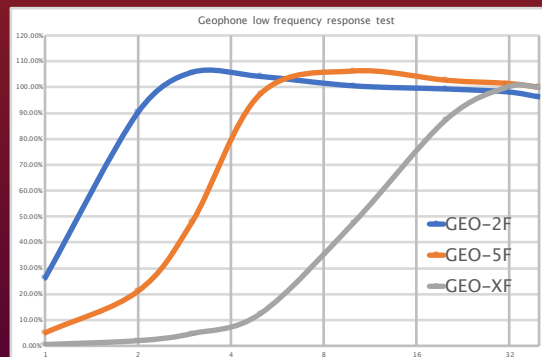
Earthquake & Vibration Sensors

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
SPS-HS	2 to 500Hz	78 V/m/s	n/a	1.7°	Ø136x85mm
SPS-HR	10s to 150Hz	590 V/m/s	0.2W	omnidirectional	Ø136x85mm
MPS-HR	40s to 90Hz	750 V/m/s	0.2W	15°	Ø136x85mm
LPS-HR	120s to 60 Hz	750 V/m/s	0.2W	15°	Ø136x85mm

ACCELERATION SENSORS (all omnidirectional)						
Model	Self Noise	Flat Response	Sensitivity	Power	Clip Level	Dimensions
LCA-2G**	7µg/√Hz	to 525Hz	2V/g	0.4W	±2g	80x80x60mm
LCA-5G**	12µg/√Hz	to 800Hz	0.8V/g	0.4W	±5g	80x80x60mm
LCA-XG**	18µg/√Hz	to 1100Hz	0.4V/g	0.4W	±10g	80x80x60mm
LFA-XR*†	2µg/√Hz	to 1600Hz	0.5V/g	0.4W	±10g	Ø136x85mm
LFA-HR	0.001µg/√Hz	to 800Hz	15V/g	0.2W	±2g	Ø136x85mm

MICROPHONES					
Model	Input	Flat Response	Sensitivity	Temperature	Dimensions
Standard	12VDC	20Hz to 20kHz	22V/Pa	-30 to 80°C	Microphone Ø17x93mm
Low Frequency	12VDC	1Hz to 20kHz	22V/Pa	-30 to 80°C	Windscreen Ø76mm

*Available in Ø56mm borehole casing; **1g offset in vertical axis due to gravity; †IEPE sensor requires regulated voltage/current 18-30VDC and 2-10mA



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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 any other seismic data logger.



GEO & LCA sensors

Low Power & Cost, Compact Geophones & Accelerometers

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 circular mounting plate and optional levelling feet and/or spikes.

You can order GEO- sensors with up to 200m of cable fitted, or LCA- sensors with up to 50m of cable.



SPS, MPS, LPS & LFA sensors

Broadband Seismometers & Low Noise Accelerometers

The sensors from the base of the Tremor, Prism, SMA-HR and SMA-XR models now have their own Gecko-style lid with a connector to attach custom length cables suited to your application. A central mounting hole and levelling feet make installation quick and easy.



GEO-*B & LFA-XB sensors

Borehole Geophones & Accelerometers

All GEO- model geophones can be optionally housed in a Ø56mm borehole casing fitted with up to 200m of kevlar-reinforced load bearing cable. Suffix changes from F to B. Sensors from the LFA-XR are use to make the LFA-XB.

All borehole sensors are available fitted inside an optional pneumatic clamp for short term deployments in 100-150mm diameter boreholes, up to 200m deep.

Air Blast Microphones

We have two types of over-pressure air-blast monitoring microphones to complement our ground vibration monitoring geophones, available in standard or low frequency range with a weatherproof windscreen.

