SEISMOLOGY RESEARCH CENTRE

Seismographs & Accelerographs

Digitisers & Data Loggers



Gecko Compact — *IP54, 7-32V input power, 40Vpp or 60Vpp 3D sensor input, 64GB*

Sensor Inputs:	3D sensor (19-way plug) + 1D sensor (4-way)
Outputs:	RS232 for modem or network adaptor
Optional Accessories:	Ethernet network adaptor, Power Stream
Compatible Sensors:	SRC (analogue, below), Nanometrics, Kinemetrics & many more...



Gecko ERI — *IP54, integrated backup battery & network adaptor, 64GB SD card*

Inputs:	3D sensor (12-way connector plug), 18VDC from AC plug pack
Outputs:	Ethernet, 10A Alarm Relay Circuit
Optional Accessories:	Other AC plug styles (Type-A default, i.e. USA)
	SRC analogue Accelerometers, Geophones and Seismometers

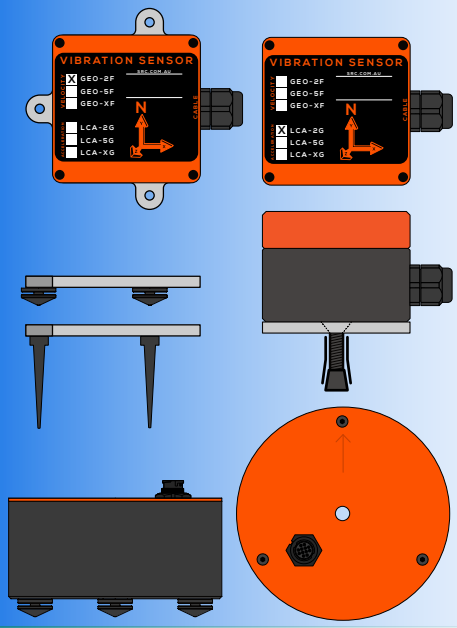


Gecko Rugged — *IP67, Waterproof Seismic Recorder, 64GB SD card storage*

Sensor Inputs:	3D sensor (19-way plug) + 1D sensor (4-way)
Compatible Sensors:	ESS (analogue, below), Nanometrics, Kinemetrics & many more...
Outputs:	RS232 for modem or network adaptor
Optional Accessories:	Ethernet network adaptor, Power Stream
	Accelerometers, Geophones, Seismometers, & Microphones

Analogue 3D Sensors

VELOCITY
ACCELERATION



66mm tall, 80x80mm, IP67

GEO-2F	**2Hz - 1.6kHz** geophones	
GEO-5F	**44.5Hz - 1.6kHz** geophones	
LCA-2G	**±2g** accelerometer	7µg/√Hz
LCA-5G	**±5g** accelerometer	12µg/√Hz
LCA-XG	**±10g** accelerometer	18µg/√Hz
LFA-XR	**±10g** IEPE accelerometer	2µg/√Hz
Cable:	Exit through gland, User defined length up to 500m	
Accessories:	Mounting plate, feet/spikes/anchor (some tools required)	

70mm tall, Ø136mm, IP67

Tremor	10s to 150Hz seismometer
Prism	40s to 90Hz seismometer
LFA-HR	±2g accelerometer 0.001µg/√Hz
Connector:	12-way cable plug included, cable available to 100m
	2.5m cable included if used with Gecko Compact
	5m cable included if used with Gecko ERI

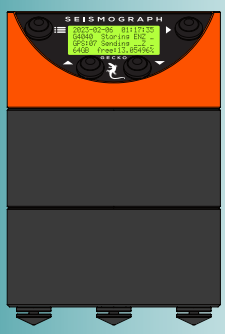
Digital 3D Sensors

VELOCITY
ACCELERATION



145mm tall, Ø136mm, IP67

Gecko Force	**2Hz - 1.6kHz** geophones	
Gecko Blast	**4.5Hz - 1.6kHz** geophones	
Gecko SMA-2G	**±2g** accelerometer	7µg/√Hz
Gecko SMA-5G	**±5g** accelerometer	12µg/√Hz
Gecko SMA-XG	**±10g** accelerometer	18µg/√Hz



185mm tall, Ø136mm, IP67

Gecko Tremor	**10s to 150Hz** seismometer	
Gecko Prism	**40s to 90Hz** seismometer	
Gecko SMA-HR	**±2g** accelerometer	0.001µg/√Hz
Gecko SMA-XR	**±10g** IEPE accelerometer	2µg/√Hz

External Inputs:	1D sensor (4-way), Power (2-way), on/off switch
Outputs:	RS232 for modem or network adaptor (6-way)
Accelerometer Kit:	Central hole for mounting post, anchor and nut
Optional Accessories:	Ethernet adaptor, Power Stream, Microphone

What is Seismosphere?

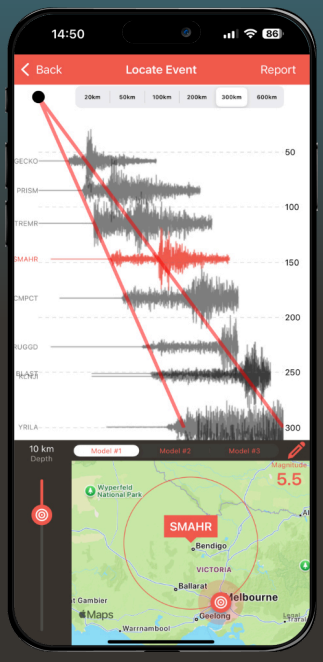
Earthquake network and data management made easy!

If your organisation doesn't already have a centralised software system for seismic network data collection and event notifications, then Seismosphere is the quick and easy solution.

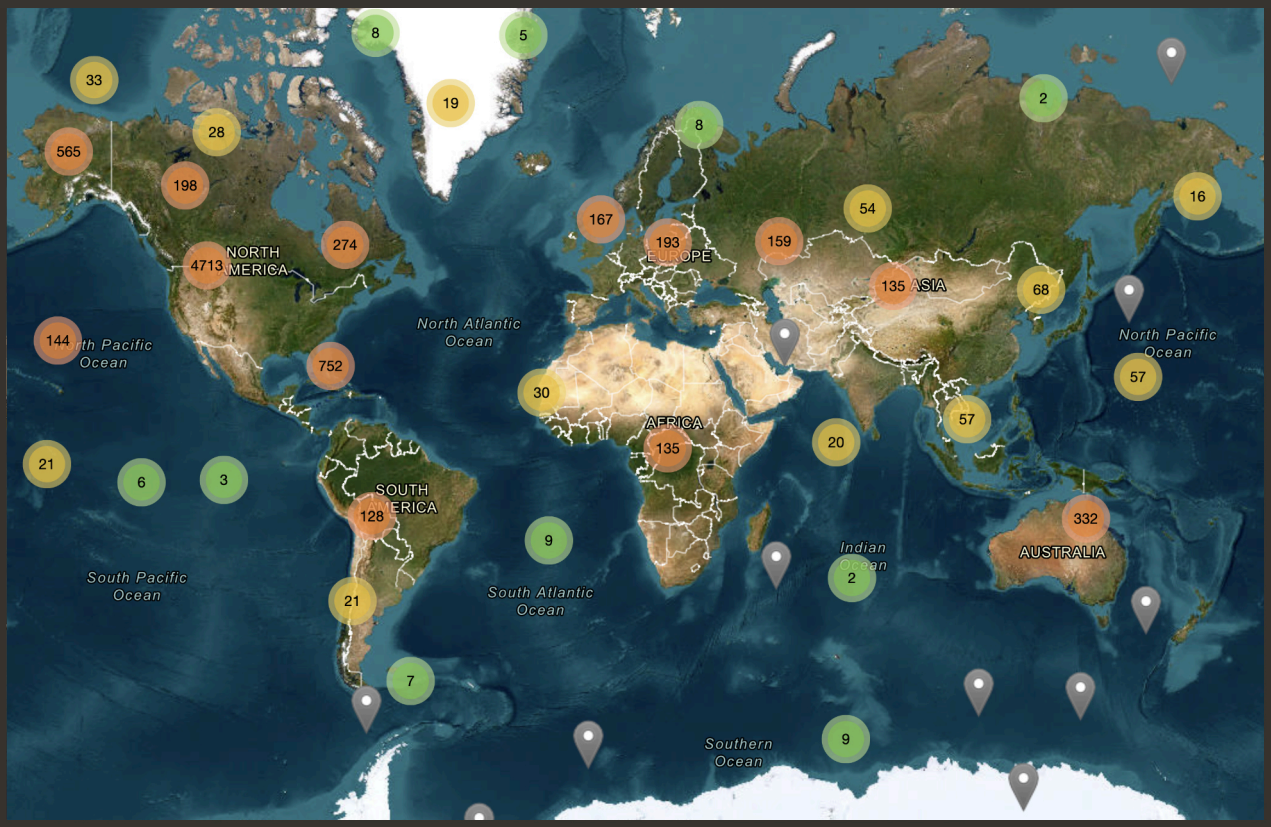
If you already have a data repository and need to manage a subset of stations for a specific project, Seismosphere is an easy way to visualise data, download waveforms, and send event notifications.

Pull live data from any online SeedLink server, whether it be a data logger or a public server (e.g. EarthScope), or push data to Seismosphere from our own easy-to-use Gecko seismographs (turn over to view the range).

Seismosphere is available as a short term cloud-hosted subscription service, or it can be installed on a dedicated server in your computer centre for an upfront fee, with affordable annual support plans.



- Completely managed via web browser
- Full screen live data for all or a subset of stations
- Automatic event detection, with location and magnitude notifications sent via email
- Verify automatic events using Quick Quake app (left)
- Analyse in detail using Waves (free desktop app)
- Manage all your Gecko data loggers in one place





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141 Palmer Street
Richmond VIC 3121
Australia

sales@src.com.au