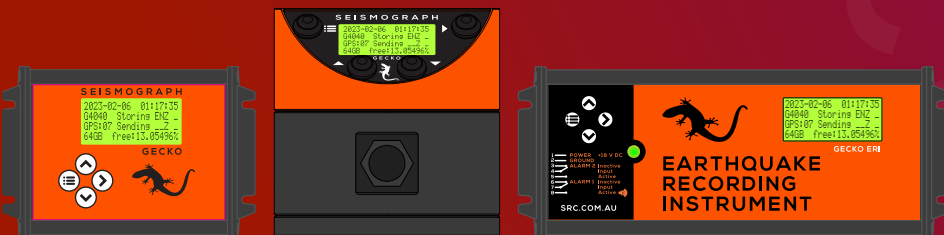


DIGITISERS

Gecko Compact, Rugged & ERI common specs

ADC & Data Resolution	31-bit ADC, 24-bit Data
Data Channels	4: configured 3D+1D sensor (ERI optional 2D+2D)
Full-scale range	±20V with selectable gain up to x512
Sample rate (samples/sec)	native: 250, 500, 1000, 2000, 4000 decimated: 50, 100, 200, 400, 800
Noise level (shorted input)	<1 LSB RMS noise (24-bit @50sps)
Dynamic Range	144dB @ 50sps
(RMS noise vs FS range)	138dB @ 100sps 127dB @ 4000sps
Timing Reference	GPS, data time stamped every second
User Interface	In-built LCD with text display and keypad
Seismic Data Recording	Continuous, in 1-minute or 1-hour files
Histogram Data Recording	CSV file, at 2, 5 or 60 second intervals
Trigger & Alarm	2x Level Trigger; 2x Alarm Outputs
Data Storage Media	SD card, SLC NAND recommended
Included Storage Capacity	64GB, removable, hot swappable Ring buffer 4-ch >1 year @250sps Supports up to 2TB SD card
Data format	MiniSEED (plus station meta data)
Operating Temperature	-20°C to +70°C

	Compact	Rugged	ERI
Input Voltage (DC)	12V (7-30V)	12V (7-30V)	18V
Internal Battery Runtime	n/a	n/a	12+ hours
Power Consumption (typical)	0.8W	0.8W	3.8W
Ingression Protection	IP54	IP68	IP54
Dimensions (mm)	150 x 108 x 71	Ø136 x 140	270 x 108 x 56
Weight	0.6kg	1.7kg	1.2kg

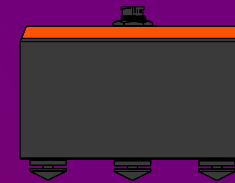


GECKO COMPACT **GECKO RUGGED** **ERI (Battery, Ethernet, Relays)**

STRONG MOTION SENSORS

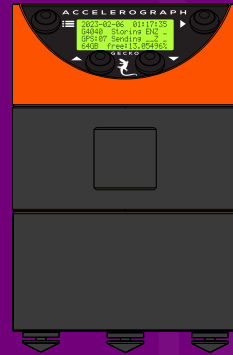
SIGMA

Type	Rectilinear, Force Feedback
Configuration Options	Triaxial, or Biaxial (horizontal axes only)
Clip Level and Output	±4g range, ±20V output
Frequency Response	DC to 400Hz
Dynamic Range	>167 dB at ±4g
Self Noise	Better than 0.13 µg√Hz at 1 Hz
Input Voltage (DC)	12V nominal (9-36V)
Power Consumption (typical)	0.7W
Ingression Protection	IP68
Operating Temperature	-20°C to +70°C
Dimensions (main body)	Ø136 x 78 mm
Weight	1.5kg



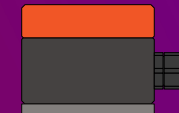
All-in-one IP68 accelerometer combines sensor and digitiser

GECKO SIGMA ACCELEROGRAPH

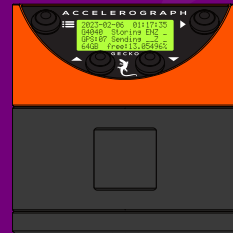


LCA-5G

Type	Micro-electromechanical Systems (MEMS)
Configuration Options	Triaxial, or Biaxial (horizontal axes only)
Clip Level and Output	±5g range (1g gravity offset), ±4V output
Frequency Response	DC to 800Hz
Dynamic Range	118 dB at 1Hz
Self Noise	12 µg√Hz typical
Input Voltage (DC)	Regulated 5V with 2.5V Reference required
Power Consumption (typical)	0.1W
Ingression Protection	IP67
Operating Temperature	-55°C to +125°C
Dimensions (main body)	80 x 80 x 60 mm
Weight	0.4kg



GECKO SMA-5G ACCELEROGRAPH



LFA-XR

Type	Integrated Electronics Piezo-Electric (IEPE)
Configuration Options	Triaxial, or Biaxial (horizontal axes only)
Clip Level and Output	±10g range, 10V bias ±5V output
Frequency Response	DC to 400Hz
Dynamic Range	126 dB at ±10g
Self Noise	2µg√Hz at 2 Hz
Input Voltage (DC)	18-30VDC 2-10mA constant current required
Power Consumption (typical)	1W
Ingression Protection	IP67
Operating Temperature	-50°C to +120°C
Dimensions (main body)	80 x 80 x 60 mm
Weight	0.7kg



GECKO SMA-XR ACCELEROGRAPH

