

FLEX-EPOS Seismic Instrument Pool

Instrument list

(updated June 2023)

Large-N Instruments	Aalto University	GTK	University of Helsinki		University of Turku		FLEX-EPOS Seismic Instrument Pool TOTAL	
	2023 onwards	2023 onwards	By Sep 2023	April 2024 onwards	By Sep 2023	April 2024 onwards	by Sep 2023	April 2024 onwards
Geospace Seismic Recorder with Battery (GSB): GSB3 3C Unit, 64 GB, Internal battery 40 days 24/7	118	451	261	425	147	185	977	1179
Geophones 3C Land Cartesian: GS-ONE LF 5 Hz 3C LAND (BLUE) GSC8P 2', 2450 Ohm; 67% Damp	118	451	261	425	147	185	977	1179
GSB DC Adapter: GSR BATTERY ADAPTER WHIP w/MUELLER CLP	115	0	324	428	152	197	591	740
GSB-LHR: For deployed GSB status verification and QC	0	1	5	5	4	4	10	10
GSB-LV: For deployed GSB status verification and QC	1	0	1	1	0	0	2	2
GSB Portable Data Transfer Module (DTM) / Charger: Data Transfer Module (DTM) 48 Download / Charging Bays in Low Profile case	1	3	2	2	1	1	7	7
GeoRes-XTC 60TB System Manager	0	1	0	0	0	0	1	1
Time-stamp equipment Source Decoder Recorder (SDRX)	0	0	1	1	1	1	2	2
External batteries: Geospace BN25 (180 days 24/7)	0	0	30	100	0	0	30	100
Field server	0	0	0	0	0	0	0	0
Portable Geospace 12-unit battery charging system	0	0	1	3	0	0	1	3

Broadband Instruments	2023 onwards	2023 onwards	2023 onwards	By Sep 2023	April 2024 onwards	2023 onwards
Broadband Guralp 3ESPC seismometers: 120 s to 100 Hz 2000 V/m/s (2 x 1000 V/m/s), portable, triaxial seismometer in hard anodised aluminium enclosure			46			46
Minimus: 24-bit, four-channel digitiser			46			46
Cable: 5 meter long rigid instrument cable to connect the digitizer to the seismometer			46			46
GNSS antenna with 10 meter cable			46			46
Fortis accelerometers with fixing bolt and 5 m instrument cable			5			5
Sonnenschein GEL BATTERY GF12063 Y04, 12V 70Ah/20h			46			46
Mascot battery charger			55			55

SmartSolo	2023 onwards	fall 2023 onwards	2023 onwards	By Sep 2023	April 2024 onwards	fall 2023 onwards
SmartSolo, IGU-16HR 3C AIO 5Hz smart sensor		70				70
4 Slots Data Harvesting Rack		1				1
16 Slots Battery Charging Rack		1				1
Magnetic Switch		2				2

***bold figures include instruments estimated to arrive during summer/fall 2023.** Instruments orders planned for 2024 are estimated to arrive by the end of April 2023.

In addition to the list of instruments shown here, Oulu University is planning to expand the pool with other instruments that will be listed when the purchase has been made.