

ELECTROMAGNETIC DUAL FREQUENCY UNIT

MODEL: GSF-99

configuration: vertical coplanar coil system

coil distance: 16.96 m

frequencies 3020 Hz and 14368 Hz

sensitivity: 1 ppm

noise STD:	-3020 Hz frequency	3 ppm in quadrature component
		3 ppm in in-phase component
	-14368 Hz frequency	9 ppm in quadrature
		8 ppm in in-phase component

range: 0 - 50 000 ppm

registration: normally 4 times/s, available up to 10 times/s

advantage of using EM Model GSF-99 compared to normal VLF-measurements

- continuous transmitter signal
- more detailed information about the conductivity in the ground
- possibility to calculate apparent resistivity of the earth
- instrument response is not as sensitive as VLF for topographic effects
- the two frequencies covers large conductivity range

Advantages comparing to helicopter EM:

- significantly better depth penetration