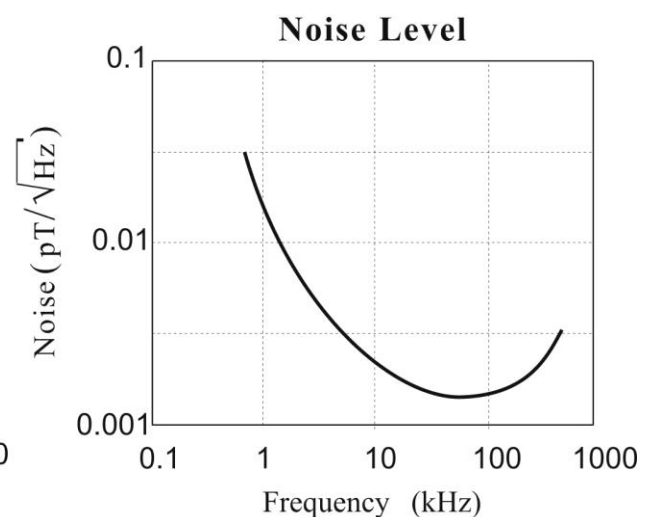
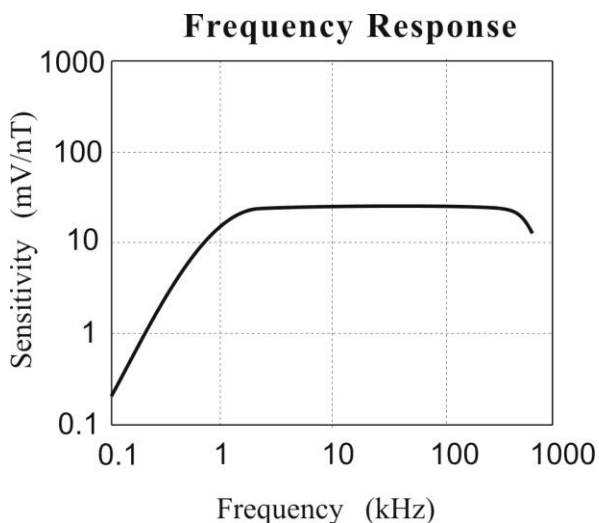


INDUCTION MAGNETOMETER FOR GEOPHYSICAL APPLICATIONS LEMI-142

Main features:

- High sensitivity
- Low noise, near the theoretically lowest possible level
- Frequency band 1 ... 500 kHz
- Low power consumption



New calculation methodology using minimal mass criterion allowed minimizing the weight, conserving low noise level in wide frequency band. The magnetic feedback design is utilised what provides a stable response of full frequency band. Low noise preamplifier is placed inside the sensor body.

TECHNICAL SPECIFICATIONS

Frequency range	1 ... 500 kHz
Sensitivity	25 mV/nT
Magnetic noise level	$1,5 \cdot 10^{-15} \text{ T} / \sqrt{\text{Hz}}$
Length	310 mm
Weight	250 g
Power consumption at $\pm 12 \text{ V}$	7 mA