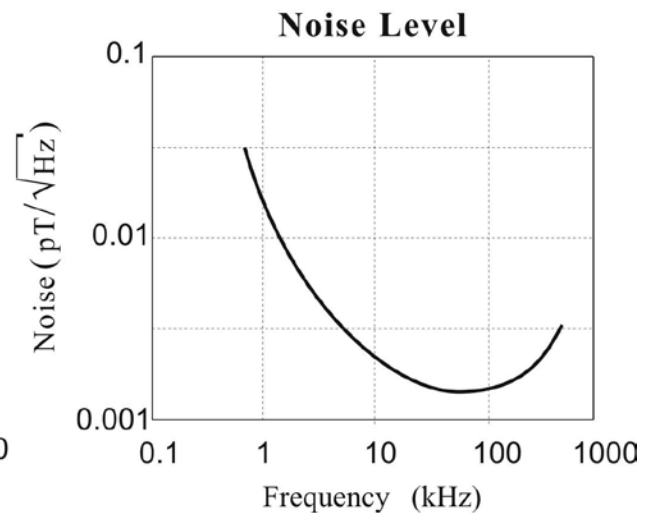
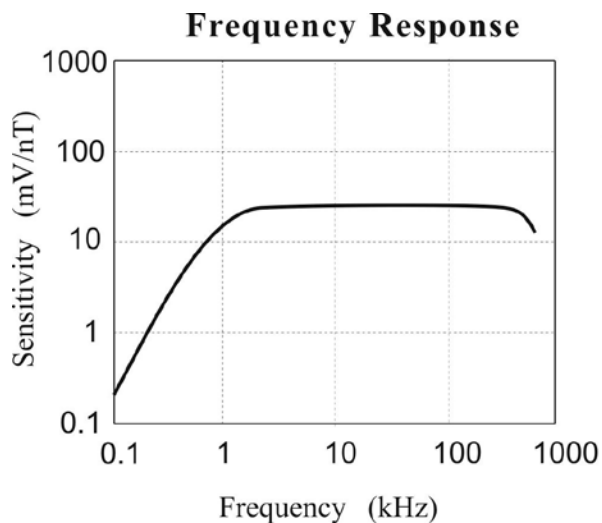




INDUCTION MAGNETOMETER FOR GEOPHYSICAL APPLICATIONS LEMI-142

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 |