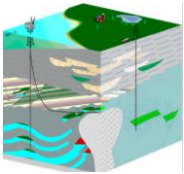




LEMI-142 Induction magnetometer



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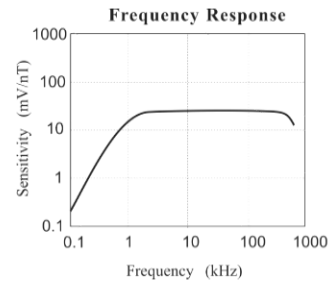
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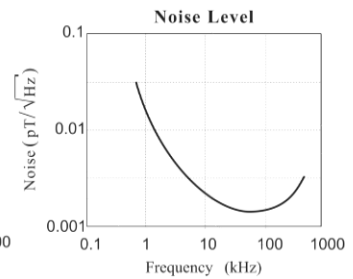
LEMI-142



LEMI-142 product picture;



Frequency response



Noise level

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.

Product features

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

Product 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