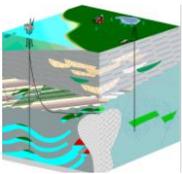




LEMI-145 Induction magnetometer



KMS Technologies

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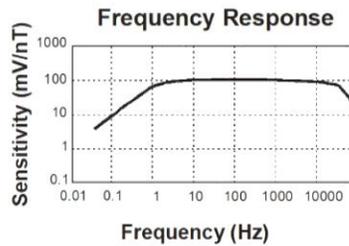
LLC "LEMI"

5A Naukova St., Office 301,
Lviv, 79060, Ukraine

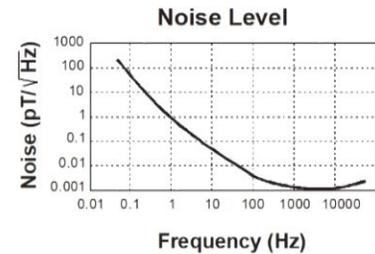
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LEMI-145



Frequency response



Noise level

Induction coil magnetometer LEMI-145 is intended for the study of magnetic field fluctuation in the frequency band 0.04 – 30000 Hz in a field environment. It can be used both as a part of the magnetic measuring system and autonomously with any analogue input registration unit. It is waterproof, ruggedized and ready for use right after switching on. We are flexible to adapt every parameter to your needs.

Product features

- Super-wide frequency range: 0.04 - 30000 Hz
- Very low noise
- Low power consumption

Product specifications

Frequency range	0.04 – 30000 Hz
Transformation factor:	
at frequencies 0.04 – 1 Hz	100 f*mV/nT
1 – 30000 Hz	100 mV/nT
Noise:	
at 1 Hz	< 1.6 pT/sqrt(Hz)
at 1000 Hz	< 0.002 pT/sqrt(Hz)
at 10000 Hz	< 0.001 pT/sqrt(Hz)
Current	12.5 mA
Weight	4,0 kg
Dimensions:	
Diameter	65 mm
Length	1340 mm

*f is the frequency of the received signal