

# INDUCTION MAGNETOMETER FOR GEOPHYSICAL APPLICATIONS LEMI-120

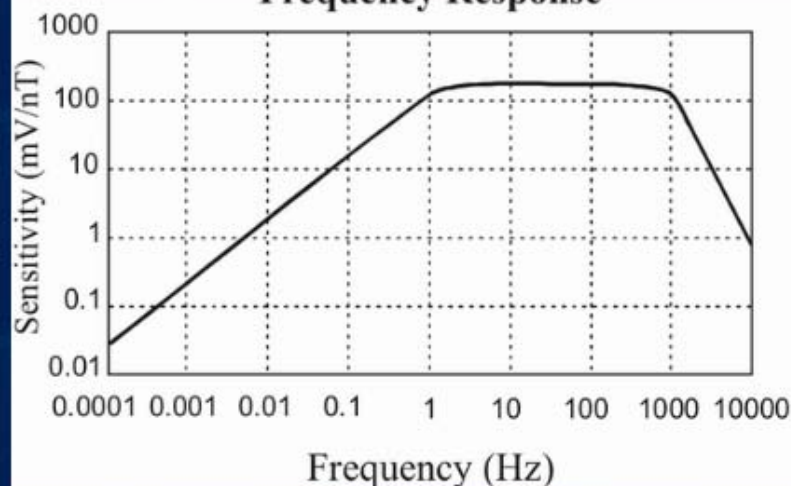
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## Main features

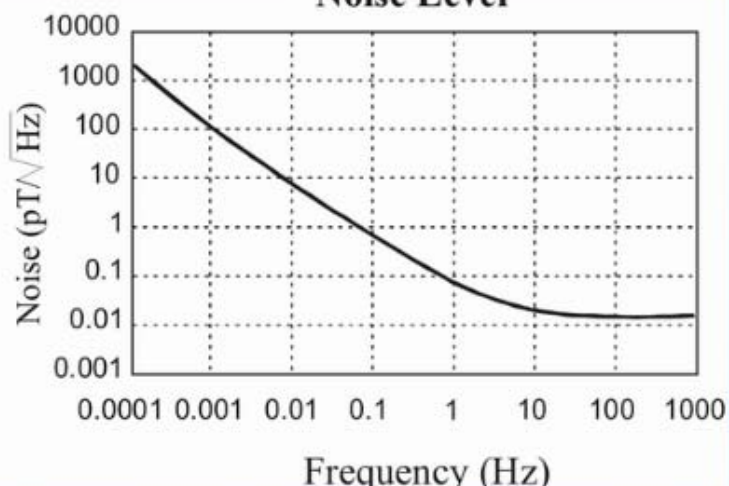
- Super-wide frequency range:  
0.0001 - 1000 Hz
- Very low noise
- Low power consumption



**Frequency Response**



**Noise Level**



LEMI-120 features extremely low noise and frequency dynamic range and that makes it the perfect choice for a major variety of geophysical applications. State of art built-in modulator-demodulator preamplifier with low power consumption and differential output ensures that the sensor may be used with any recording system as far as 200 meters away from the sensor installation site. It is waterproof, rugged and ready for use right after switching on.

## MAIN TECHNICAL PARAMETERS

<b>Frequency range</b>	0.0001 – 1000 Hz
<b>Transformation factor:</b> at frequencies 0.0001 – 1 Hz 1 – 1000 Hz	200 mV/nT f*, 200 mV/nT
<b>Noise:</b> at 0.001 Hz at 0.1 Hz at 100 Hz	< 100 pT/sqrt(Hz) < 1 pT/sqrt(Hz) < 0.015 pT/sqrt(Hz)
<b>Power consumption</b>	< 330 mW
<b>Weight</b>	< 6.7 kg
<b>Dimensions:</b> diameter length	85 mm 1340 mm

\*f is the frequency of the received signal