

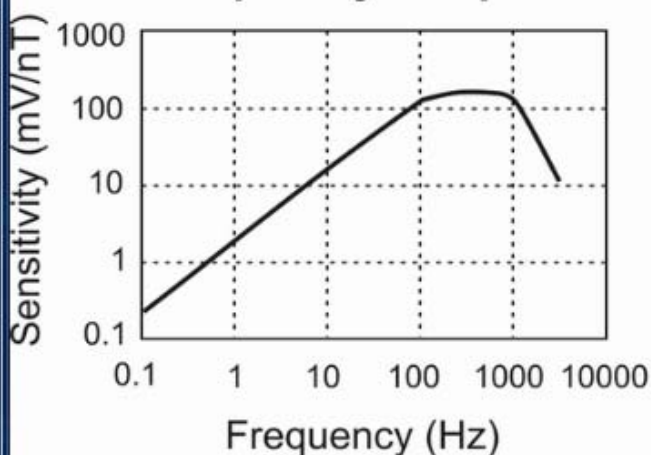
INDUCTION MAGNETOMETER LEMI-123

Main features

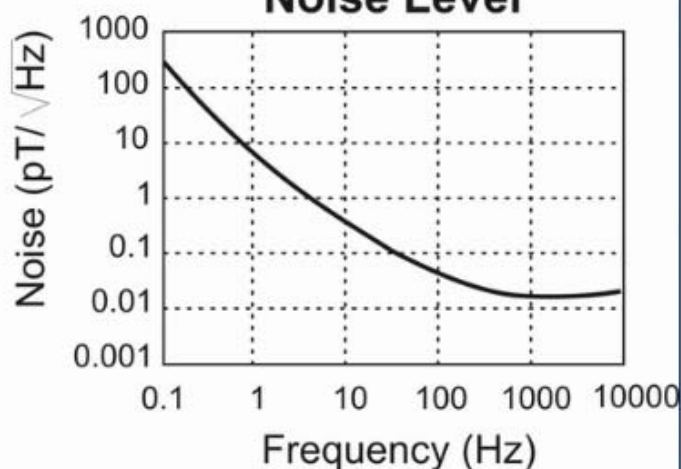
- Frequency range:
1 - 1000 Hz
- Very low noise
- Low power consumption



Frequency Response



Noise Level



Induction magnetometer LEMI-123 is intended for the measurement of the magnetic field variations in frequency band from 1 till 1000 Hz in land conditions. It can be used autonomously with any analog registration unit.

MAIN TECHNICAL PARAMETERS

| | |
|--|--|
| Frequency band of measured signals | 1 ... 1 000 Hz |
| Shape of transfer function | linear - flat |
| Flat part of transfer function | 100 ... 1 000 Hz |
| Transformation factor at differential output at flat part at linear part | 200 mV/nT $2 \cdot f$ mV/nT |
| Magnetic noise level at 1 Hz 10 Hz 100 Hz 1000 Hz | $< 8 \text{ pT} \cdot \text{Hz}^{-1/2}$ $< 0.5 \text{ pT} \cdot \text{Hz}^{-1/2}$ $< 0.05 \text{ pT} \cdot \text{Hz}^{-1/2}$ $< 0.02 \text{ pT} \cdot \text{Hz}^{-1/2}$ |
| Voltage supply | $\pm(6 \dots 12) \text{ V}$ |
| Current consumption | $\pm 13 \text{ mA}$ |
| Temperature range of operation | $0 \dots +40^\circ \text{C}$ |
| Dimensions | $300 \times 48 \text{ mm}$ |
| Weight | 710 g |

エクスカリバー株式会社
 www.exjp.co.jp
 Email:support@exjp.co.jp
 TEL:03-6215-8506
 FAX:03-6215-8700