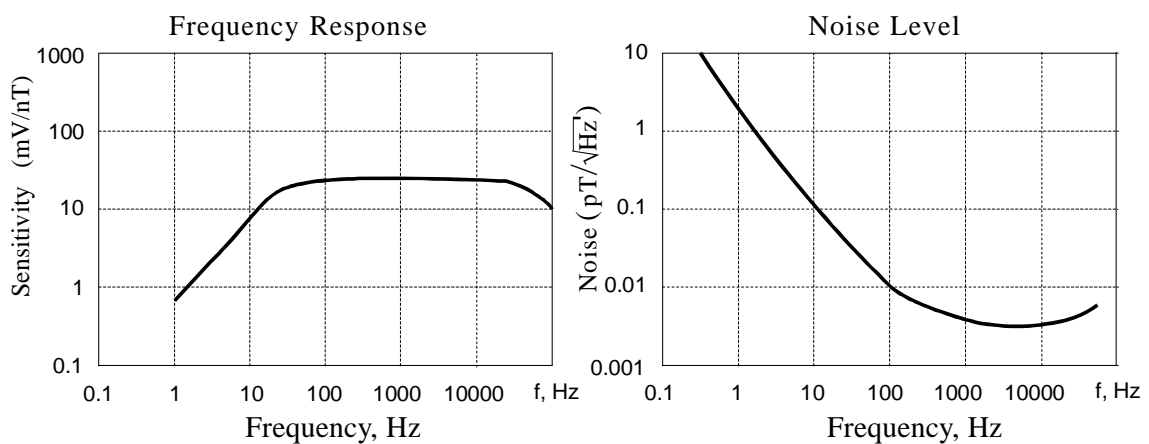


INDUCTION MAGNETOMETER LEMI-118

Main features

- Wide frequency and dynamic range
- Low noise
- Low weight



Induction coil magnetometer LEMI-118 is intended for the study of magnetic field fluctuation in the frequency band 1 – 70000 Hz in field environment. It can be used both as a part of magnetic measuring system and autonomously with any analogue or digital registration unit. It is waterproof, ruggedized and ready for use right after switching on.

We are flexible to adapt every parameter to your needs.

TECHNICAL SPECIFICATION

Frequency band of received signals	1 – 70000 Hz
Shape of transfer function	linear – flat
Type of output	symmetrical
Transformation factor at both output terminals:	
at linear part (1 – 20 Hz)	$f \cdot \text{mV}/(\text{nT} \cdot \text{Hz})$
at flat part (20 – 70000 Hz)	20 mV/nT
Magnetic noise level, $\text{pT} \cdot \text{Hz}^{-1/2}$:	
at 10 Hz	≤ 0.2
at 10 kHz	≤ 0.005
at 50 kHz	≤ 0.01
Power supply voltage	$\pm (9-12) \text{ V}$
Power consumption	$\leq 240 \text{ mW}$
Outer dimensions	$l = 800 \text{ mm}$
	$d = 42 \text{ mm}$
Weight	$\leq 1.7 \text{ kg}$

*f is the frequency of the received signal