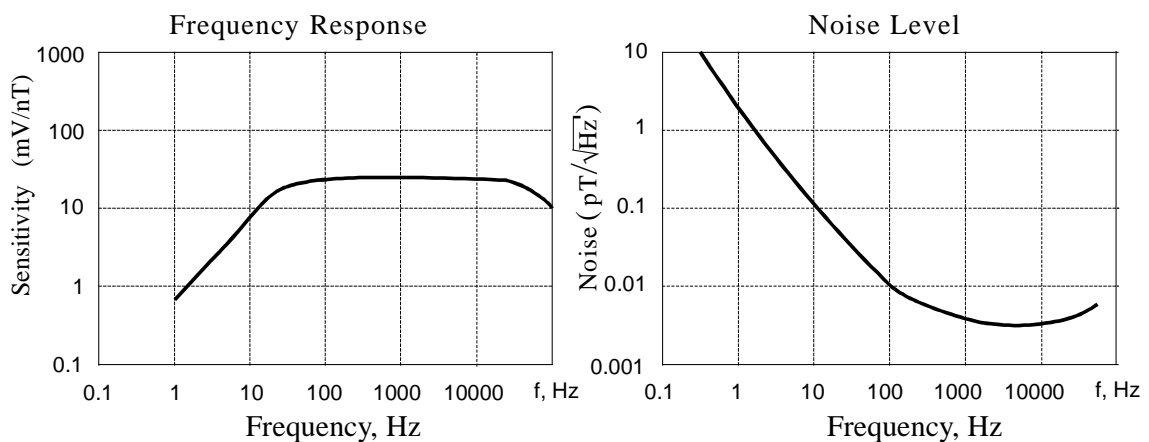
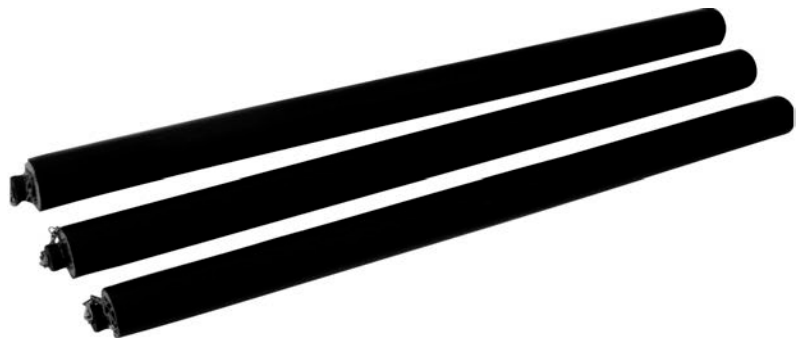




## INDUCTION MAGNETOMETER LEMI-118

### 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 a field environment. It can be used both as a part of the magnetic measuring system and autonomously with any analog 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

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

\*f is the frequency of the received signal