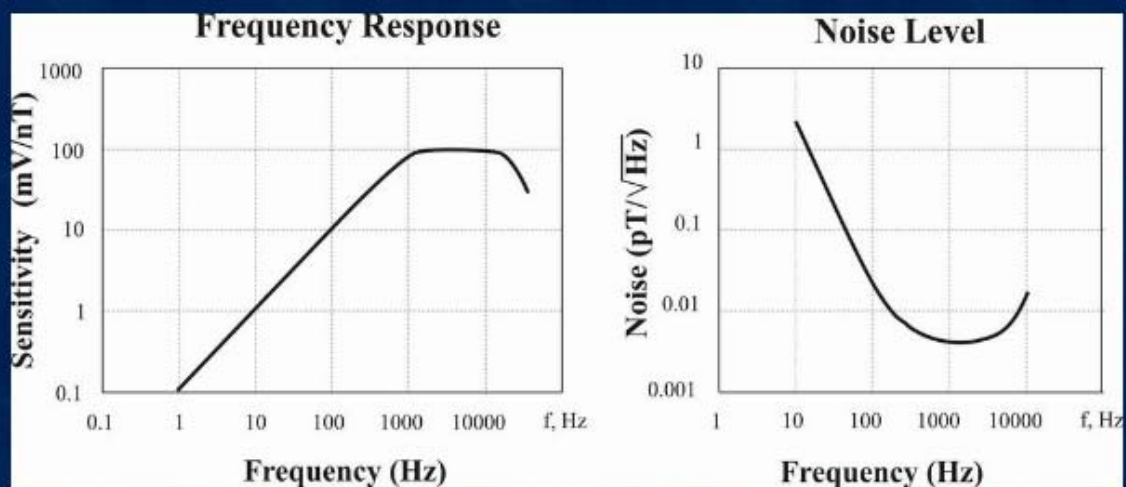


# SATELLITE INDUCTION MAGNETOMETER LEMI-106HS

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The super-light induction magnetometer LEMI-106HS is intended for measurements of alternating magnetic fields in space during scientific investigations. New calculation methodology using minimal mass criterium allowed to minimize the weight of LEMI-106HS, conserving low noise level in wide frequency band. It can be used with any analog measuring unit.



## Technical Specifications

Full frequency band of received signal, Hz	1 ... 20000
Frequency characteristics flatness in the pass band, kHz	1 ... 20
Transformation factor, mV/nT	100
Output parameters (at every of two symmetrical outputs): max. output voltage, V output resistance, Ohm min. loading resistance, kOhm	± 5 < 100 5
Short-time short-circuiting protection is available. Magnetic noise level, pT×Hz <sup>-1/2</sup> : at 10 Hz at 100 Hz at 1 kHz at 10 kHz	£ 2.5 £ 0.2 £ 0.02 £ 0.003
Power consumption, W	£ 0.24
Temperature range, °C: operation mode switched off state	minus 50 ... +50 minus 150 ... +70
Outer dimensions, mm	l = 300 b ~ h £ 35mm ~ 35mm
Weight, g	~ 95