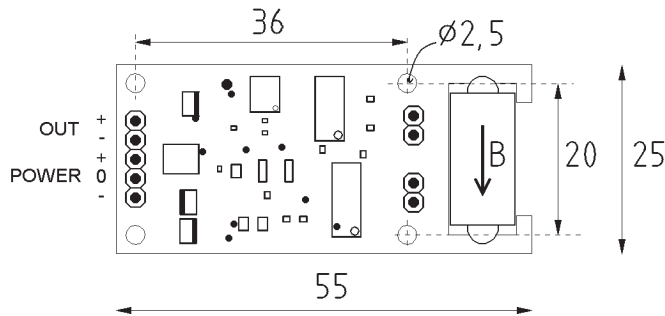




## Fluxgate magnetic field sensor FL1-100



### Specifications

Measurement range	$\pm 100 \mu\text{T}$
Calibration accuracy	0.5%
Offset error	$< 200 \text{ nT}$
Operating temperature	0 to $+70 \text{ }^\circ\text{C}$
Zero drift	$< 0.1 \text{ nT/K}$
Supply voltages	$\pm 12$ to $16 \text{ V}$
Current consumption @ $\pm 12 \text{ V}$	$+30 \text{ mA}$ , $-15 \text{ mA}$
Analog output	$0.1 \text{ V}/\mu\text{T}$ , max. $\pm 10 \text{ V}$
Bandwidth	0 to $1 \text{ kHz}$ ( $-3 \text{ dB}$ )
Noise	$< 20 \text{ pT}/\text{Hz}^{1/2}$ @ $1 \text{ Hz}$
Power supply rejection	$> 100 \text{ dB}$
DC output impedance	$< 1 \Omega$
Dimensions	$55 \text{ mm} \times 25 \text{ mm} \times 11 \text{ mm}$
Weight	10 g
Connector	5 contacts

Subject to alterations.