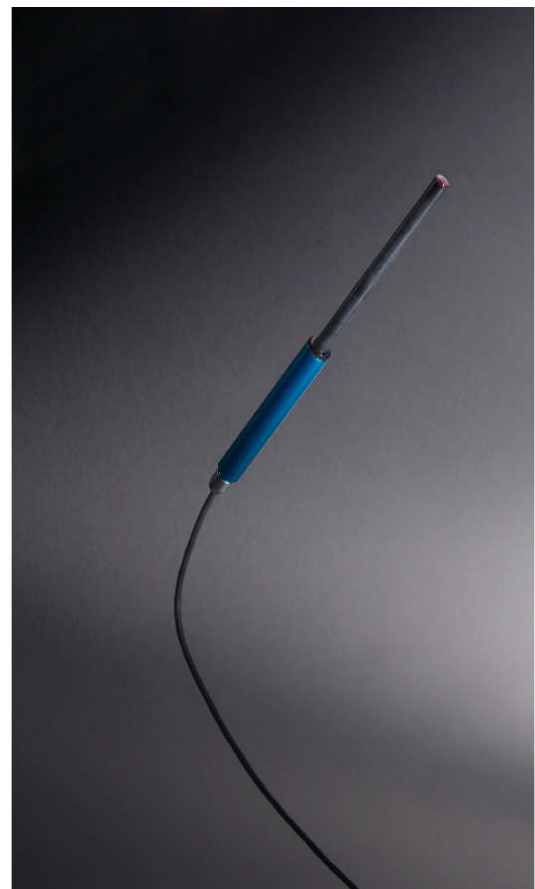


Accuracy at point

Flux density measurement
precise to the dot

■ Axial Search Probe

- Accessory for use with M-Pulse Fluxmeter e-Flux 100
- Used for measuring magnetic fields parallel to the probe handle, eg. Field in a solenoid
- Built-in 256bit 1-wire EEPROM containing coil resistance and calibration factor
- Search coil located at the tip of Probe
- Supplied with 1.5m shielded cable
- With LEMO's Push-pull Self Latching Connecting System
- Aluminum handle



Measurement of the magnetic field strength with search coils

The area of a search coil has to be as small as possible, yet with as many windings as possible. So that it can measure an induction change when it is moved from one spot to another. Referenced to a point where the field strength is almost 0 the change of the field strength when moved to other spots can be measured by dividing the induction through the coils area.

Field Strength: $H = \Phi / A_{total}$

Accuracies of $\pm 300\mu\text{T}$ are achievable with search coil. The layout can be axial or transverse.

General Information

Diameter of search coil	8mm Approximate
Overall Length	228mm Approximate
Probe handle	Aluminum, blue anodize
Connector	LEMO's Push-Pull Self-Latching Connecting Switch
Cable	1500mm – shielded type

Other Available Accessories For Use With Fluxmeter e-Flux

Search Coils	Reference Magnets
Potential Coils	Adaptor box with single / multiple Built-in memory chip for coil connection with 4mm plugs or wire terminal. Length of connecting cable: 1m.
Helmholtz Coils	Mounting kit for assembly into 19" rack