SBP 407
MAGNETIC FIELD USING SOLENOID

The search coil magnetometer or induction magnetometer, based on an inductive sensor (also known as inductive loop and inductive coil), is a magnetometer which measures the varying magnetic flux due to Lenz's law. An inductive sensor connected to a conditioning electronic circuit constitutes a search coil magnetometer. It is a vector magnetometer which can measure one or more components of the magnetic Field

Technical Specifications:

Solenoid	: long approx. 11” with three Outputs
Wire used	: heavy copper
Output from solenoid	: 220 turns
	: 440 turns
	: 650 turns
Internal diameter	: 12mm approx
Outer diameter	: 24mm approx.
Pickup coil	: Mounted on graduated non-magnetic rod
No. Of turns	: 3000 approx.
Power supply	
Voltage	: 18V approx.
Current	: 2A approx.
Display	: for volt & current selectable through switch
Potentiometer	: 1no. For adjusting current
Input voltage	: 220-230VAC, 50Hz.

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