

PROTON PRECESSION MAGNETOMETER



PM 600

IGIS make three models magnetometers are highly portable field geophysical instrument that provide accurate measurements of the total intensity of earth's magnetic field. Working on the principle of nuclear magnetic induction, the magnetometer yields absolute values of magnetic field and is almost free from the temperature and orientation problems.

The digital technology incorporated in the design and development of the igis instrument facilitates operational convenience, as also obtaining highly stable outputs, with a resolution of one gamma.

APPLICATIONS

- ❖ Magneto metric investigations for location of dykes faults and fissure zones
- ❖ Geological mapping and structural investigations
- ❖ Mineral Exploration
- ❖ Bedrock investigations in engineering geology.
- ❖ To detect underground structures and buried objects related to archeological investigations
- ❖ In biomedical experiments for continuous monitoring of magnetic signals
- ❖ As an absolute standard in Magnetic observatories.



Integrated Geo Instruments & Services [P] Ltd.

No. 12-13-382, STREET NO.18 TARNAKA

HYDERABAD – 500 017, INDIA

Phone: Office 27018456, 27005810

E mail: igisindia@yahoo.com Website: www.igisindia.com

FEATURES

Highly compact, portable and field worthy	The unit, housed in an elegant and compact. Aluminum case, offers excellent portability and ruggedness during field operations.
Highly stable outputs	The unit utilizing digital technology coupled with special circuit design, output a digital reading of the magnetic field with high accuracy and stability.
Low power consumption	With the standby current set at as low as 30 mA, the power consumption is minimum.
Sensor Adaptability	The system design allows operation of the unit with a wide range of sensor inductance and sensor cable capacitance.
Wide range of field	The instrument can operate over a wide range of magnetic field values from 20,000 to 70,000 gamma.
SPECIFICATIONS:	
Sensitivity	One gamma
Recycling	Manual
Sensor (separate)	Solenoidal, noise free
Polarizing current	1.0 Amp. Maximum
Standby current	30mA
Display	Liquid Crystal Display
Power supply	Built-in rechargeable 12V D.C battery
Cable Length	10 Meters

IGIS Geophysical instrument are

- * Functionally accurate
- * Operationally convenient
- * Ruggedly field worthy

- Specifications are likely to change with R&D
- IGIS instruments carry one-year guarantee against manufacturing defects.