



# Integrated Geo Instruments & Services [P] Ltd.

No.12-13-382, STREET NO.18,TARNAKA  
HYDERABAD – 500 017, INDIA

## **MAGNETIC SUSCEPTIBILITY METER**

IGIS Magnetic Susceptibility Meter is a compact, sturdy and portable measuring instrument for determining the magnetic susceptibility of both insitu and lab samples having flat areas.

### **PRINCIPLE**

This instrument is based on the principle of electromagnetic induction. The self inductance of a coil changes in the presence of magnetic and conductive materials. By measuring the phase and amplitude change the inductance the magnetic susceptibility of the rock types can be measured.

### **SPECIFICATIONS:**

1. POWER SUPPLY : 2 nos. of 9V packs contains “D” type cells
2. MEASURING UNIT :  $10^{-5}$  to  $10^{-2}$  CGS units approximately
3. ACCURACY :  $\pm 5\%$  in the range of  $10^{-4}$  to  $10^{-2}$  CGS units.
4. TEMPERATURE :  $10 - 50^{\circ} \text{C}$
5. DISPLAY : 3 ½ Liquid Crystal Display
6. TECHNICAL KNOWHOW : National Geophysical Research Institute, Uppal Road, Hyderabad – 500 007

**APPLICATION:** Mineral Investigations.