



## TRI-3/50 (A, B, C) PRECISION FIELD TRIPOD WITH THERMAL PROTECTION FOR MAGNETIC SENSORS

Quality of field data received during acquisition using MT methods significantly depends on how accurately magnetic sensors are aligned with axis of coordinates. This is especially important for vertical component Hz, since in many instances it is considerably weaker than horizontal components of magnetic field. Small mistakes in sensor positioning might severely damage data or even make it useless for interpretation.

Tripod TRI-3/50 is especially designed to minimize errors when aligning magnetic sensors to all three axis: X, Y and Z, to increase accuracy of measurement and productivity of field work by significantly reducing time for sensors installation. You can throw your augers and shovels away now and install sensors in less than 5 minutes on any soil in different climates and weather conditions. Thermal stabilization significantly reduces errors due to temperature variations during 24 hour period. Model TRI-3/50 is used with magnetic sensors MTC-50 from Phoenix Geophysics Limited, but can be easily redesigned for virtually any induction coil upon request.



### Basic Characteristics:

- High accuracy of mutual positioning of MTC-50 magnetic sensors. When assembled, tripod aligns sensors orthogonally with relation to each other with an error no more than 0.5 °.
- Levels installed on the tripod, allow the user to install sensors quickly and precisely in vertical (axis Z) and horizontal (axis X and Y) positions. Therefore, it is enough to install correctly vertical sensor, and horizontal ones will be installed automatically or vice versa.
- Tripod is made of 100% nonmagnetic anticorrosive nonconductive high-quality materials with minimal use of nonmagnetic metals. Thus the weight of the tripod is less than 16 kg.
- Item could be disassembled, and therefore convenient for transportation, storage and moving to another site with sensors and cables in the bags.
- Simplicity of installation and removal of MTC-50 sensors. You don't even have to remove the sensors from the tripod when going to another site.
- Tripod is marked with special light reflecting finishing, which allows it to be easily noticed in the dark field conditions.
- Tripod is made in three modifications A, B and C, which have different accuracy of axis alignment (1.0°, 0.1° and 0.01°).

### Specification:

• Dimensions in working mode, cm	155 x 155 x 155
• Weight (without sensors), kg	16
• Error of mutual sensor positioning, °	0,5
• Accuracy of axis alignment, ° (model)	1.0 (A); 0.1 (B); 0.01 (C)