

# TEM / 3

## *Magnetic Antenna*



### **DESCRIPTION**

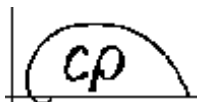
The TEM/3 antenna is a single channel magnetic field antenna useful for transient electromagnetic (TEM), controlled source audio-frequency magnetotelluric (CSAMT), and other types of EM geophysical surveys measuring vertical or horizontal fields. Multiple units may be used simultaneously to measure multiple axes.

### **FEATURES**

- The TEM/3 can be used inside or outside the transmitting loop for transient measurements.
- Frequency calibrations are provided for both harmonic and single frequency applications.

### **OPTIONAL EQUIPMENT**

- Antenna STAND/Z for vertical measurements.
- Antenna STAND/XZ for a combination of vertical and horizontal measurements.



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# SPECIFICATIONS FOR THE TEM/3 MAGNETIC ANTENNA

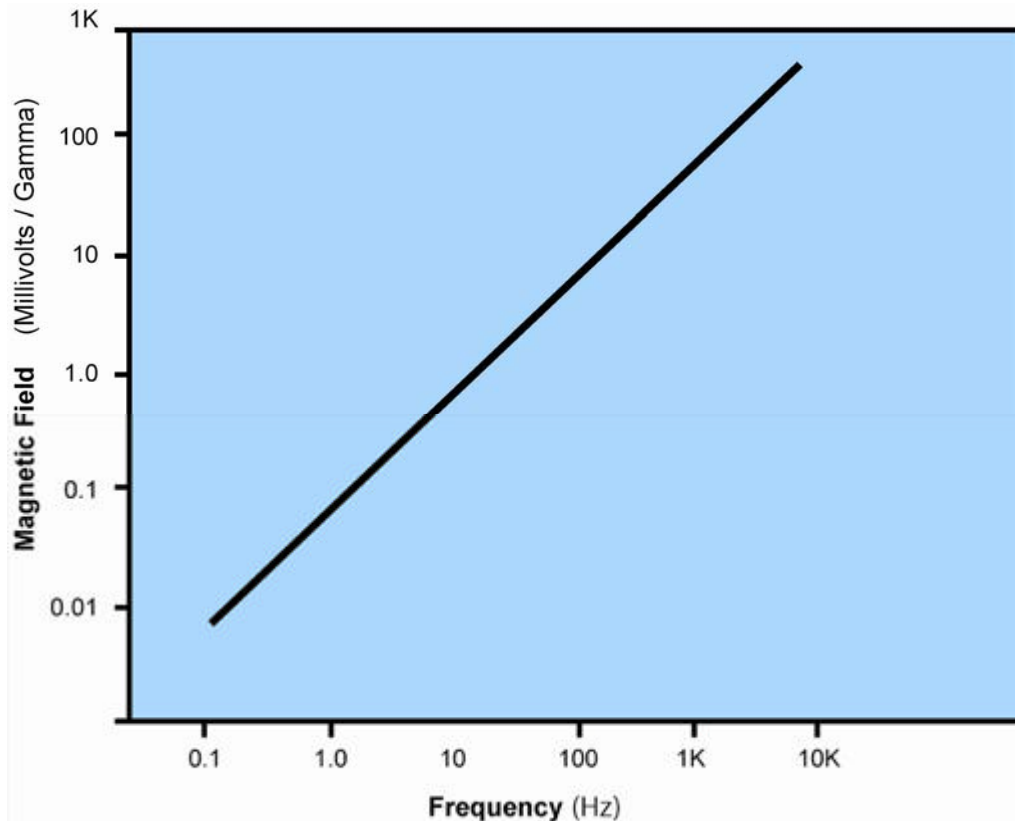
## General

Power: two 9V batteries  
Alkaline: 7 days at 12 hours per day  
Lithium: >14 days at 12 hours per day  
Amplifier gain: 33  
Number of turns: 4000  
Effective Area: 10,000 m<sup>2</sup>  
Minimum Detectable Signal: 0.007 gamma•Hz  
Maximum signal without saturation:  
68,000 gamma•Hz  
Delay constant: 15 microseconds  
Multiple unit crosstalk: > 60db isolation  
Electrical response: dB/dt to above 8 KHz

## Physical

Length: 61cm  
Diameter: 11cm  
Weight: 4.5 kg  
Core: ceramic ferrite, 2.54 x 45.7 cm

*Specifications subject to change without notice  
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