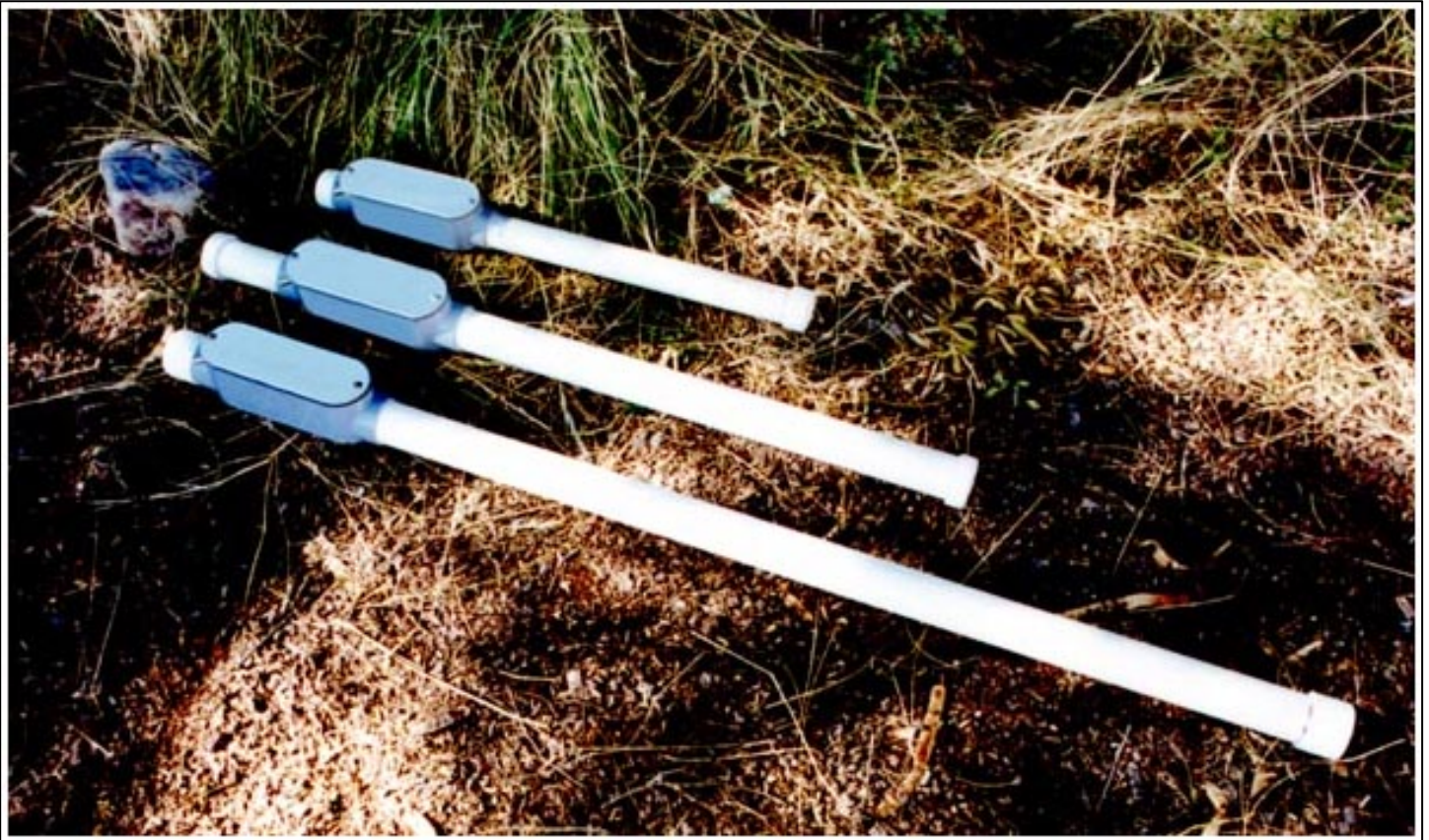


ANT/5, 6, 4

Magnetic Antennas



DESCRIPTION

The ANT/4, ANT/5 and ANT/6 magnetic field sensors are extremely low noise instruments. Using feedback amplifier technology and including carefully designed mu-metal cores, these antennas are each designed with specific purposes in mind. Each antenna is designed to be a highly flexible instrument, built to withstand the difficult conditions encountered in the field environment.



Zonge Engineering and Research Organization, Inc.

Specialists in Electrical Geophysics

• *Field Surveys* • *Geophysical Consulting* • *Instrumentation Sales and Lease* •

SPECIFICATIONS FOR THE ANT/5, 6, 4 MAGNETIC ANTENNA

General

Power: Two internal 9V alkaline batteries
 Battery Life at 12 hours per day:
 Alkaline: 10 days
 Lithium: 20 days
 Carbon Zinc: 4 days (temporary use only)
 Core: mu-metal

ANT/5 (smallest and lightest)

Length: 61.0 cm (24.5 in)
 Diameter: 3.6 cm (1.625 in)
 Weight: 1.5 kg (3.5 lb)
 Frequency Range: 0.25 – 10,000 Hz
 Sensitivity in Passband: 100 mV/ γ (100 mV/nT)
 Noise Level:
 1200 $\mu\gamma$ (1200 fT) per $\sqrt{\text{Hz}}$ at 1 Hz
 20 $\mu\gamma$ (20 fT) per $\sqrt{\text{Hz}}$ nominal > 60 Hz

Application: CSAMT

ANT/6

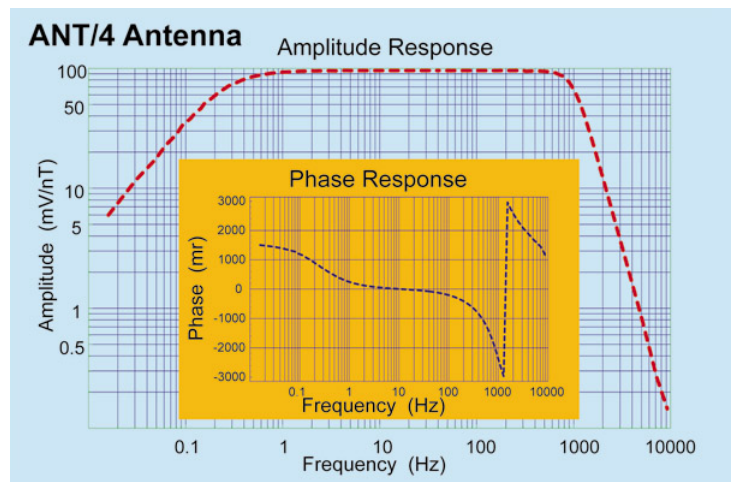
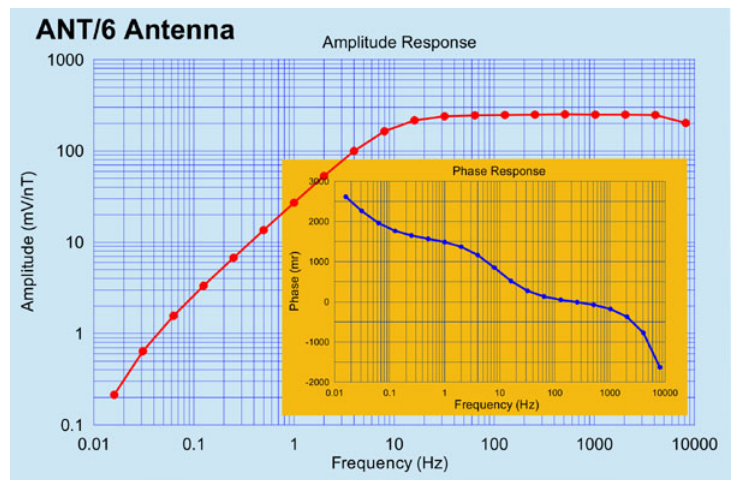
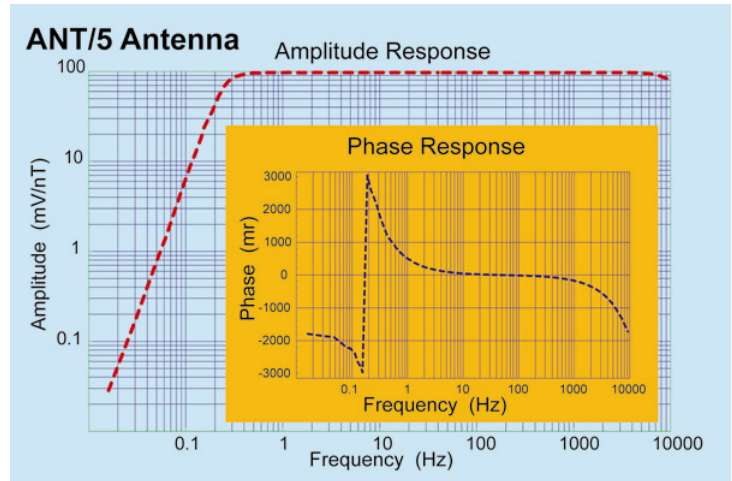
Length: 91.0 cm (36.0 in)
 Diameter: 4.8 cm (1.875 in)
 Weight: 3.2 kg (7.0 lb)
 Frequency Range: 0.1 – 10,000 Hz
 Sensitivity in Passband: 250 mV/ γ (250 mV/nT)
 Noise Level:
 200 $\mu\gamma$ (200 fT) per $\sqrt{\text{Hz}}$ at 1 Hz
 1 $\mu\gamma$ (1 fT) per $\sqrt{\text{Hz}}$ nominal > 200 Hz

Application: MT / CSAMT

ANT/4

Length: 138.0 cm (54.0 in)
 Diameter: 4.8 cm (1.875 in)
 Weight: 6.2 kg (13.5 lb)
 Frequency Range: 0.0005 – 1000 Hz
 Sensitivity in Passband: 100 mV/ γ (100 mV/nT)
 Noise Level:
 100 $\mu\gamma$ (100 fT) per $\sqrt{\text{Hz}}$ at 1 Hz
 20 $\mu\gamma$ (20 fT) per $\sqrt{\text{Hz}}$ nominal > 1 Hz

Application: MT



Specifications subject to change without notice
 © Copyright 2001, Zonge Engineering & Research Organization, Inc.



Zonge Engineering and Research Organization, Inc.

Offices:

Arizona, Alaska, Nevada, Colorado and Minnesota

Headquarters:

3322 E. Ft. Lowell Road, Tucson, AZ 85716, USA (800) 523-9913
 Tel: (520) 327-5501 Email: zonge@zonge.com
 Fax: (520) 325-1588 Web: <http://www.zonge.com>