

# THE NT-32 TRANSMITTER

## *GDP-32<sup>II</sup> with Embedded NanoTEM<sup>®</sup> Transmitter*



The NT-32 embedded NanoTEM<sup>®</sup> transmitter is the latest addition to the Zonge transmitter line. The transmitter is mounted in the card cage of a GDP-32<sup>II</sup> multifunction receiver.

### FEATURES

- Output: NanoTEM<sup>®</sup> (bipolar currents to 3.5 A peak)
- 50% duty cycle
- 1.5 microsecond shutoff into 20 m loop (NanoTEM<sup>®</sup>)
- Lightweight, battery powered
- Full Computer-Control using RS-232C



**Zonge Engineering and Research Organization, Inc.**

*Specialists in Electrical Geophysics*

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

# SPECIFICATIONS FOR THE NT-32 TEM TRANSMITTER

## Electrical

Input voltage: 10 to 14 VDC  
Peak output current: 3.5 A  
Current monitor output: 1V / A  
Automatic over-current shutdown (set for 4.25 A)  
MOSFET IGBT power output current switch  
Automatic fault detection  
Transmitter control from GDP receiver, XMT-series controller, or external computer with RS-232C port

## Controls & Displays

Control and display on the embedded version is managed through the keyboard and display of the GDP-32<sup>II</sup>

## Fault Conditions (Shown on the LCD display)

Over/Under Voltage  
Over Current  
Over Temperature  
IGBT Failure

## Output Jacks

Current monitor terminals (1 V/A)  
Output current terminals  
External battery: 10 to 14 VDC  
Power connector: 3-pin military twist-lock

## Power

External battery: 10 to 14 VDC  
Power connector: 3-pin military twist-lock

## Options

Waterproof case with sealed front panel and connectors  
Case size: 22 x 28 x 18 cm (8.7 x 11 x 7.1")  
Weight: 5 Kg (11lb) (without batteries)



**Embedded NanoTEM<sup>®</sup> Transmitter**

*Specifications subject to change without notice  
© Copyright 2007, 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](mailto:zonge@zonge.com)  
Fax: (520) 325-1588 Web: <http://www.zonge.com>