

THE NT-32 TRANSMITTER

*GDP-32" with
Embedded
NanoTem®
Transmitter*



The NT-32 embedded NanoTEM® transmitter is the latest addition to the transmitter line. The transmitter is mounted in the card cage of a GDP-32II multifunction receiver. A stand-alone version of the transmitter is also available, with control provided through a 16-key keypad and an LCD display, or through an RS-232C interface. Although, designed as a fast turnoff NanoTEM® transmitter that can be integrated with the receiver, the NT-32 can double as a low-power resistivity/IP transmitter (600 VA) when connected to an external high-voltage source (45-400VDC). With this power booster, the transmitter is ideal for small-scale engineering, groundwater, and hazardous waste applications.

FEATURES

- Output: NanoTEM® (bipolar currents to 4.0A peak)
- 50% duty cycle
- 1.5 microsecond shutoff into 20 m loop (NanoTEM®)
- Lightweight, battery powered
- Internal (GDP-32II) and Stand-alone Models
- Full Computer-Control using RS-232C
- Optional External Power Booster (45-400 VDC; 6.0 A peak)

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SPECIFICATIONS FOR THE NT-32 TEM TRANSMITTER

Electrical

Input voltage: 10 to 14 VDC
 Peak output current: 4.0 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

Stand - alone version only

LED indicators: Power, Transmit, Fault, and Polarity
 Loop Size Setting: 1,2,5,10,20,50, and 100 m sides
 LCD display: 4 Line x 40 characters

- Input voltage
- Output voltage
- Output current
- Current Turnoff time
- Internal temperature
- Other Parameters

Keypad: 16 keys (0-9 + function keys)

Embedded version

Control and display on the embedded version is managed through the keyboard and display of the GDP-32"

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

ZPB-600 External Power Booster (available for stand alone version only): 45 to 400 VDC (6.0 A max) permits the NT-32 to be used for small-scale resistivity/IP surveys.
 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)



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