

THE NT-20 TRANSMITTER

Multi-function

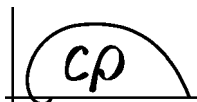
Battery Powered

TEM Transmitter



FEATURES

- Dual output: NanoTEM[®] or ZEROTEM
- Bipolar current output up to 20 A
- 50 or 100% duty cycle
- 1.5 microsecond shutoff into 20 meter loop (NanoTEM[®])
- Less than 50 microseconds turnoff into 100 meter loop (ZEROTEM)
- Lightweight, battery powered



Zonge Engineering and Research Organization, Inc.

Specialists in Electrical Geophysics

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SPECIFICATIONS FOR THE NT-20 TEM TRANSMITTER

Mechanical Characteristics

Waterproof case with sealed front panel and connectors
Size: 22 x 28 x 18 cm (8.7 x 11.0 x 7.1 in)
Weight: 5 kg (11 lb) (without batteries)

Electrical Characteristics

Input voltage: 10 to 30 VDC
Peak output current: 20 A
Transmit control from GDP receiver or XMT-series transmitter controller
Current monitor outputs:
0.1 ohm ZEROTEM
1.0 ohm NanoTEM[®]
Automatic overcurrent shutdown (set for 25 A)
MOSFET IGBT power output current switch
Automatic fault detection

Controls & Displays

Lamps to indicate state of transmitter:
power on-off, transmitting, fault, polarity
Power ON / OFF
Transmit / Reset
Current Set
NanoTEM[®] / ZEROTEM
Loop Sides:
5 m
10 m
20 m
50 m
100 m
Meter Select
LCD displays:
Input voltage
Output voltage
Output current
Turnoff time
Internal temperature

Fault Indicators

Over / Under Voltage
Over Current
Over Temperature

Output Jacks

Current monitor terminals (100 mV/A, 1 V/A)
Output current terminals

Power

External battery: 10-20 V
Power connector: four-pin military twist-lock

Option

Fiber optic control link for 100m or 200m separation between XMT / GDP and transmitter

Specifications subject to change without notice
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