

# NT-20 TEM Transmitter

*Multi-function, Battery Powered*



## FEATURES

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

# 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:

NanoTEM: 10 to 13 VDC

ZEROTEM: 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:

NanoTEM: 10 – 13 V

ZEROTEM: 10 – 30 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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