

# T-3 Multifunction Current Source for Geophysical Techniques

- Low cost
- Lightweight, highly portable
- Operates at  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- No cable links required between transmitter and System 2000.net receivers (V8, RXU)
- Wide range of power sources: 50Hz or 60Hz motor generators or 12V batteries

<b>CSAMT</b>	Controlled Source Audio MT
<b>IP</b>	Induced Polarization: Frequency and Time Domain, Phase and Spectral IP
<b>TDEM, FDEM</b>	All common Time and Frequency Domain Electromagnetics functions
<b>Resistivity</b>	All common Resistivity functions (Dipole, Schlumberger, or Wenner soundings)



Wireless networking with RXU-TMR transmitter monitor and V8 receiver



# T-3 Multifunction Current Source

## The T-3 is a light-weight, versatile

multipurpose signal source for use in a variety of geophysical techniques. Weighing only 12kg, it is easily transportable on a backpack over virtually any terrain.

The T-3 can drive either inductive loads (loops) used in TDEM or FDEM techniques, or grounded dipoles used in IP, Resistivity, and CSAMT techniques.

## Proven Technology

Phoenix design experience extends over 40 years, and the T-3 builds on this record. T-3 transmitters have been used in countless field surveys under every climatic condition worldwide.

## Wide Range of Power Sources

The T-3 can be powered by one or more external 12V batteries or by Phoenix's selectable-voltage BP-24/72 battery pack.

Alternatively, the power source can be a standard geophysical motor generator, or any of a number of commercially available 50Hz or 60Hz motor generators. This flexibility means that the power source (and parts and service) can be obtained almost anywhere in the world.

## System Integration

The T-3 can be controlled by a System 2000.net RXU-TM transmitter monitor, with or without radio networking to a V8 receiver.

## Specifications

<b>Dimensions</b>	20 x 40 x 55cm
<b>Weight</b>	12kg
<b>Displays</b>	Output current (LCD); line voltage or output voltage (switchable meter)
<b>AC Input</b>	50 or 60Hz, 200–240V, ≤3.5kVA
<b>DC Input</b>	12–72V transmission and 12V control
<b>Output Voltage</b>	300V, 600V, or 1100V nominal (1000V maximum in regulated markets)
<b>Output Power</b>	Maximum 2.2kVA
<b>Output Current</b>	50mA to 9A
<b>Current Regulation</b>	Output ± 0.2% for ±10% variation in input voltage or electrode impedance
<b>Internal Timing</b>	32Hz to 16s (Time Domain); 16.384kHz to 8s (Frequency Domain)
<b>External Timing</b>	DC to 16.384kHz, via cable link to suitable receiver or clock source such as RXU-TM, RXU-TMR, or MTU-TXC. (RXU-TMR includes radio networking with controlling V8-R multifunction receiver.) All Phoenix receivers and clock sources are GPS synchronized.
<b>Protection</b>	Over-current (10.2A max.) Under-current (~0.05A min.) Over-voltage (100% of full scale) Over-temperature
<b>Environmental</b>	Operating: –20°C to +50°C

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