



Geophysical transmitter systems

HIGH POWER GEOPHYSICAL CURRENT SOURCE

TXU-30 CURRENT SOURCE

One powerful, multi-function, high end, geophysical transmitter for grounded or inductive load
For both Time Domain and Frequency Domain



WORKS WITH

- Time Domain EM (TDEM)
- Frequency Domain EM (FDEM)
- Controlled Source AMT (CSAMT)
- Controlled Source EM (CSEM)
- Time Domain IP (TDIP)
- Frequency Domain IP (FDIP)
- Phase and Spectral IP

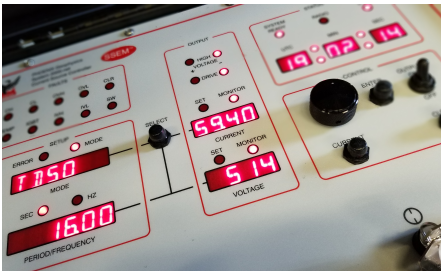
MAIN FEATURES

- Compact, Portable
- Uses any suitable commercial 3-phase motor generator
- Permanently synchronized to GPS time
- Fast turn-off time
- One external controller for user-programmed sweeps and single frequency output
- External drive input

Introducing our new compact, portable, high power TXU-30

Advanced Controls

Easy to Use Advanced microprocessor control provides superior performance across the board. Large, bright LEDs display instrument status and critical values. Simple, straightforward controls make it easy to adjust all operating parameters within allowable limits.



Climate-Controlled Exploration

Use the cable-linked remote control panel to operate the TXU-30 from up to 30m away. Manage your EM transmissions in the comfort of a heated or air-conditioned field truck cab! You'll also appreciate being able to talk with the rest of the crew by mobile phone or radio without having to fight the noise of the MG.



Simplified MG Requirements

The new design eliminates dependence on specialized motor generators. Buy or rent a suitable MG from any convenient local supplier. No more service and spare parts supply headaches. Capital cost savings. Reduced shipping costs.

TXU-30 SPECIFICATIONS

Output Power

20 kW

Input Voltage

200-240V 3-Phase AC (50 Hz, 60 Hz or 400 Hz)

Output Current (TD)

30A @ 1000V Range
40A @ 500V Range

Output Current (FD)

20A @ 1000V Range
40A @ 500V Range

Voltage Range

25 - 1,000 V

Frequency Range

Frequency Domain: 9,600 Hz to 256 s
Time Domain: 30 Hz to 128 s

Timing Control

GPS synchronized, $\pm 0.5 \mu\text{s}$

Duty Cycle

100%, 50%, 33%, 25%

Turn-Off Time

300m * 300m loop, 10-20 Amp: 70 to 140 μs
800m * 800m loop, 5-15 Amp: 90 to 270 μs

Environmental

Operating: -20°C to 45°C
Storage: -35°C to 50°C

Efficiency

Approximately 90% at full power

Weight and Dimensions, Controller

6.5 kg; L40 cm x W36.5 cm x H16 cm

WORLDWIDE GENERATOR COMPATIBILITY

Weight and Dimensions, Transmitter

52.5 kg; L52 cm x W60 cm x H44.5 cm

User Interface

Cable-connected control panel

Fault Protection

Input voltage out of range
Output voltage out of range
Output current out of range
Power stack temperature high



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