

TEM TX-32 Features

- For increased penetration than terraTEM alone. Ideal for deep borehole surveys
- Range of output currents from 0.25 Amps to 32 Amps
- Range of loop driving voltages selectable
- 1,500 W from standard Battery Pack or 3,000 W from motor generator
- Great range of selectable repetition rates
- Synchronisation by cable or by crystal clocks
- Can be the master or slave
- Many safety features
- Rugged construction
- Controller and standard Battery Pack can be one unit (see opposite)



Applications

The **TEM TX-32** can be used for various applications including the following:

Deep mineral exploration surveys

Downhole and underground surveys

Groundwater and salinity studies

Environmental surveys

TEMTX-32

Technical Specifications

Transmitter

Output	Up to 32 Amp, 3,000 W
Current Regulation:	According to selection of supply voltage and loop size
Waveform:	Bipolar. Off time equals on time. Other ratios optional
Selectable Repetition Rates:	For 50 Hz rejection, 40 msec. to 24 secs. in multiples of 40 msec. For 60 Hz rejection, 33.3 msec. to 24 secs. in multiples of 33.3 msec.
Turn-off Time:	Typically 900 microseconds for a 100m x 100m loop carrying 30 Amps.
Standby Current:	Less than 500 milliAmps

Controller

Display:	2 line x 20 character display.
Keypad:	Alpha Numeric keyboard for controlling the Tx.
Display Parameters:	Loop current, supply voltage, repetition rate, loop turnoff time and warnings including of open-circuit.

Synchronisation

By reference cable connection to the loop connection of a master source, OR optional oven stabilized crystal.

Other Features

Cooling:	Convection via large heatsink.
Over temperature detection:	By temperature sensor
Over current detection:	By thermal circuit breaker and electronically
Safety Protection:	Electronic and electro-mechanical protection provided

Power

Power Requirements:	Batteries or optional Motor Generator
Loop Driving Voltage:	12/24/36/48 (batteries) or 12-100 by MG

Physical

Housing:	Rugged Aluminium cases
Controller:	
Weight	12 kgs.
Dimensions	345 x 375 x 260 mm.
Battery Pack:	
Weight	10 kgs. (without batteries)
Dimensions	345 x 375 x 260 mm.
Operating Temperature:	-10 to 40 degrees C.

Further Information

For further information regarding this product, either technical or sales, please contact:

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