GGT-3
Geophysical Transmitter
Backpackable

FEATURES

- Constant current supply
- Used for time / frequency domain IP, Resistivity, CR, TEM, CSAMT
- Broad-band: DC to 8 kHz (standard)
- Output up to 1000 V, 15 A
- Fast turn-off time: 125 µsec (300 x 300m loop)
- Drives a loop or grounded dipole
- Sealed construction for operation in wet environments
- Compact modular design
- Optional internal time base
SPECIFICATIONS FOR THE GGT-3 TRANSMITTER

General
Description: Broadband, constant-current, time and frequency domain, backpackable geophysical transmitter
Enclosure: Welded, hardened aluminum frame mounted in a durable aluminum case.
Size: 38 x 25 x 61 cm (15 x 10 x 24 in)
Weight: 30 kg (66 lb)
Operating temperature: -40° to +55°C (-40° to +130°F)
Operating humidity: 0 to 90%, non-condensing

Electrical Characteristics
Drives a loop or grounded dipole
Turnoff time: Under 10 µsec for a resistive load; 125 µsec for a 300 x 300 m loop (16 ohms resistance, full current)
Maximum input: 3.5 KVA @ 30°C
Output voltage range: 50 to 1000V
Output current range: 0.1 to 15A
Current stability: ±0.1%
Frequency range: DC to 8 kHz

Switching Control
Switching controlled by external device
Recommended transmitter controller: Zonge XMT-32
Waveform type: Capable of virtually any type of pulse waveform, limited by external controller device

Controls
Power ON / OFF
Current adjust pot, continuously adjustable, locking
Voltage range switch (50-125V, 100-250V, 200-500V, 450-750V, 700-1000V)
Loop / Dipole select switch

Displays
Analog input voltage meter, 0-150 V
Analog output voltage meter, 0-1000 V
Power On / Off lamp, transmit lamp, output lamp
Output current LCD (±0.01A)
Indicator lamps:
  - Control Power ON
  - Transmit ON
  - Fan ON
  - Transmit Polarity
Fault indicator lamps:
  - Supply and output overvoltage
  - Alternator voltage
  - Open output
  - Input and output overcurrent
  - Over temp
  - End of regulation

Output Jacks
Current calibrate terminals (100 mV/A)
Output current terminals
Grounding jack

Power
Three-phase, 120 VAC, 400 Hz
Recommended motor generator set:
  - Zonge ZMG-3 or BMG-3
Power connector:
  - Four-pin military screw-type with locking ring

Options
Spare parts kit
  (standard and extended kits available)
Current monitor isoamp module
Resistor load bank
Switch box for rapid switching of dipole pairs
Pack frame

Specifications subject to change without notice
© Copyright 2012, Zonge International, Inc.