



HOME NEWS PRODUCTS SUPPORT SURVEYS APPLICATIONS

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TRANSMITTERS

- > T-3 (3kW, Multipurpose)
- > T-4 (2.8kW TDEM)
- > T-30 (30kW, Multipurpose)
- > TXU-30 (20kW, Multipurpose)
- > T-200 (160kW, Multipurpose)

RECEIVERS

- > V8 (Multifunction)
- > RXU (Remote for V8)
- > MTU (MT, AMT)
- > V-6A (Multifunction)

GENERATORS

- > MG-40A (40kVA)
- > T-200 (160kW)

SENSORS

- > MT/AMT Field Sensors

SYSTEMS

- > System2000.net (Multifunction)
- > System2000 (MT, AMT)
- > SSIP2000 (IP)

CLIENT ACCESS

Log-in ID :

Password:



[Request a Log-in ID and password](#)

V6-A RECEIVER

MULTI-FUNCTION DATA ACQUISITION UNIT



- CONTROLLED
- DEPTHS OF INVESTIGATION FROM 2M TO 2KM
- HIGH RESOLUTION (15 FREQUENCIES/DECADE)
- GPS SYNCHRONIZED
- LARGE, BRIGHT LCD SCREEN
- LIGHTWEIGHT - 14KG WITH BATTERY PACK FOR 12 HOUR OPERATION

GENERAL INFORMATION

Controlled Source		Practical Depth of Investigation
CSAMT	Controlled Source Audio Magnetotellurics	25m to 1km
TEM	Transient Electromagnetics:	
	• FasTEM - Decay measurement from 6 μ S to 600 μ S with 0.3 μ S sample rate.	2m to 70m
	• MulTEM - Decay measurement from 80 μ S to 8mS with 2.1 μ S sample rate.	20m to 400m
	• LowTEM - Long offset measurement with high current transmitter.	100m to 2km
FDEM	Frequency Domain Electromagnetics - Max/Min coupled, In/Out phase, transmitter-receiver separation to 700m without cable link, 54 frequencies from 1Hz to 10kHz	20m to 500m
IP	All common Induced Polarization functions - Time and Frequency Domain IP, Phase IP, Spectral IP (Complex Resistivity)	1m to 400m
Resistivity	Dipole-Dipole, Schlumberger or other arrays such as Pole-Dipole, Mise-a-la-masse	1m to 1000m

APPLICATIONS

Exploration...

Oil and gas exploration at all scales
 Industrial minerals
 Base and precious metals (as deep as 2km)
 Geothermal reservoirs
 Groundwater
 Environmental Engineering

Mapping, monitoring, research...

Geological mapping
 Regional profiling
 Reservoir monitoring systems

SPECIFICATIONS

Dimensions : approx. 49cm L x 38cm W x 21cm D sealed waterproof enclosure

Weight :	approx. 14kg with internal battery (>12 hour operation)
Operating Temperature :	-20 deg C to +50 deg C (-40 deg C with LCD heater)
External Battery :	12V, 12-25AH
Data Storage :	192MB (upgradeable) removable solid-state flash disk
Display :	High contrast, 7.5"/19cm sunlight-readable 640 x 480 colour graphics LCD
Keyboard :	Waterproof full ASCII keyboard
Processor :	32-bit CPU and Digital Signal Processors, depending on function options
Analog Digital Converter (ADC) :	16-bit
Interfaces :	High-speed standard serial and parallel computer interfaces
Frequency Range :	Frequency Domain: DC to 10kHz
Depth of Investigation :	2m to >2km, depending on earth resistivity, frequency, equipment configuration, and geophysical technique
TEM Sample Interval	0.3 microsecond effective sample interval
Number of Channels :	8 (Controlled Source)
Synchronization :	GPS Satellite-synchronized precision clock, or cable link for short source-to-receiver separation
Frequency Scan :	Automatic scan of up to 80 frequencies, with GPS synchronization among transmitters and data acquisition stations, for high resolution data.