



IP Receiver Model GRx8-32

«Field users have reported that the GDD IP Receiver provided more reliable readings than any other time domain IP receiver and it reads a few additional dipoles.»



FEATURES

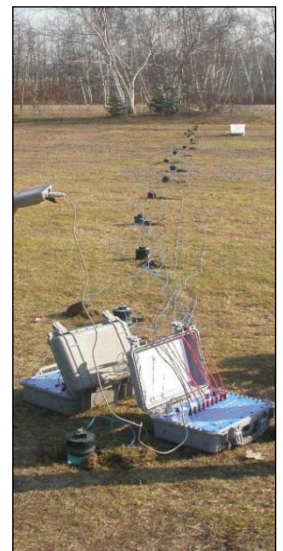
- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles
- PDA menu-driven software / simple to use
- 32 channels configuration allows 3D Survey:
 - 4 lines X 8 channels - 2 lines X 16 channels
 - 1 line X 32 channels
- Link to a PDA by wireless communication or a serial cable
- Real-time data and automatic data stacking (Full Wave)
- Screen-graphics: decay curves, resistivity, chargeability
- Automatic SP compensation and gain setting
- 20 programmable chargeability windows
- Survey capabilities: Resistivity and Time domain IP
- One 24 bit A/D converter per channel
- Gain from 1 to 1,000,000,000 (10^9)
- Shock resistant, portable and environmentally sealed

GRx8-32: This new receiver is a compact and low consumption unit designed for high productivity Resistivity and Induced Polarization surveys. Its high ruggedness allows it to work under any field conditions.

User modes available: Arithmetic, logarithmic, semi-logarithmic, Cole-Cole, IPR-12 and user defined.

IP display: Chargeability values, Resistivity values and IP decay curves can be displayed in real time. The GRx8-32 can be used for monitoring the noise level and checking the primary voltage waveform.

Internal memory: A 4 Go (or more) Compact Flash memory card is used to store the readings. Each reading includes the full set of parameters characterizing the measurements for all channels; the full wave signal for post-treatment processing. The data is stored in flash type memory not requiring any battery power for safekeeping.



SPECIFICATIONS

Number of channels: 8, expandable to 16, 24 or 32

Survey capabilities: Resistivity and Time domain IP

Twenty chargeability windows: Arithmetic, logarithmic, semi- logarithmic, IPR-12 and user defined

Synchronization: Automatic re-synchronization process on primary voltage signal

Noise reduction: Automatic stacking number

Computation: Apparent resistivity, chargeability, standard deviation, and % of symmetrical Vp

Size: 41 X 33 X 18 cm (16 X 13 X 7 in)

Weight (32 channels): 8.9 kg (19.6 lb)

Enclosure: Heavy-duty Pelican case, environmentally sealed

Serial ports: RS-232 and Bluetooth to communicate with a PDA

Temperature range: -45 to +60°C (-49 to +140°F)

Humidity range: Waterproof



8 Channels →

16 Ch. →

24 Ch. →

32 Ch. →

ELECTRICAL CHARACTERISTICS

Ground Resistance: Up to 1.6 MΩ

Signal waveform: Time domain (ON+, OFF, ON-, OFF)

Time base: 0.5, 1, 2, 4 and 8 seconds

Input impedance: 5 GΩ

Primary voltage: ±10 uV to ±15 V for any channel

Input: True differential for common-mode rejection in dipole configuration

Voltage measurement: Resolution 1 μV, Accuracy 0.5%

SP offset adjustment: ± 5 V, automatic compensation through linear drift correction per steps of 150 μV

Filter: Eight-pole Bessel low-pass 15 Hz, notch filter 50 Hz and 60 Hz

Chargeability Measurement: Resolution 1 μV, Accuracy 0.8%

PDA

Standard – Juniper Allegro Cx or Mx PDA computer provided with the GDD receiver with all accessories.

Display: 3.8" QVGA LCD 320 x 240 pixels

Operating system: Windows CE (Cx)
Windows Mobile 6.0 (Mx)

Allegro Cx



Allegro Mx



POWER

- 12 V rechargeable batteries.
- Standard plug for external battery.

COMPONENTS INCLUDED



PURCHASE

Can be shipped anywhere in the world.

RENTAL- available in Canada and USA only

Starts on the day the instrument leaves our office in Québec to the day of its return to our office. 50% of the rental fee of the last 4 months of rental can be credited towards the purchase of the rented instrument.

WARRANTY

All instruments are covered by one-year warranty. All repair will be done free of charge at our office in Québec, Canada.

SERVICE

If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instrument availability).

OTHER COSTS

Shipping, insurances, customs and taxes are extra if applicable.

PAYMENT

Checks, credit cards, money transfer, etc.



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Specifications are subject to change without notice

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