



EM-IP Tx Controller

The EM-IP Tx Controller enables **GPS synchronization** of your transmitters for both EM and IP surveys. It precisely measures and records the current with **GPS timestamp**.



Using the EM-IP Tx Controller allows you to optimize your survey results:

IP survey

- Accurate calculation of the apparent resistivity
- Very useful for monitoring infinite electrode and remote station current

EM survey

- Ability to compute ON-TIME EM secondary field
- And more...

Visit www.gdd.ca

SPECIFICATIONS - EM-IP Transmitter Controller

WEIGHT (Tx CTRL only / + Shipping Box)	3.7 kg / 13.8 kg
DIMENSION Tx Ctrl only Tx Ctrl + Shipping box	27 x 25 x 12 cm 53 x 21 x 38 cm
EM Transmitter COMPATIBILITY	Geonics, Zonge, Phoenix, Crone (could be adapted to more)
IP Transmitter COMPATIBILITY	GDD (could be adapted to others)
BASE FREQUENCY RANGE (Time-Domain)	Repetition Rate: 0.03125 Hz to 30 Hz Time Base: 8.333 msec to 8 sec

Canadian Manufacturer of Geophysical Instrumentation since 1976

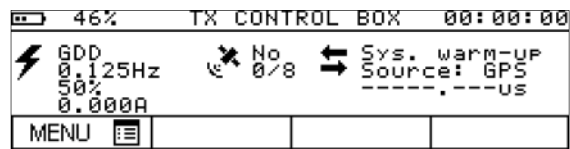
Features

- Useful for EM and IP surveys;
- Record GPS time-stamp Current full waveform;
- **Easy to operate and inexpensive;**
- Shock resistant, portable and environmentally sealed;
- Transfers data to PC with USB Memory stick;
- USB Firmware upgradable;
- Offset cancellation;
- Includes a visualization fullwave software;
- Accessories: Socket plugs (rated 50A),
External GPS antenna,
Memory stick,
Master\Slave IP cable,
NordicEM24 synchronization cable.

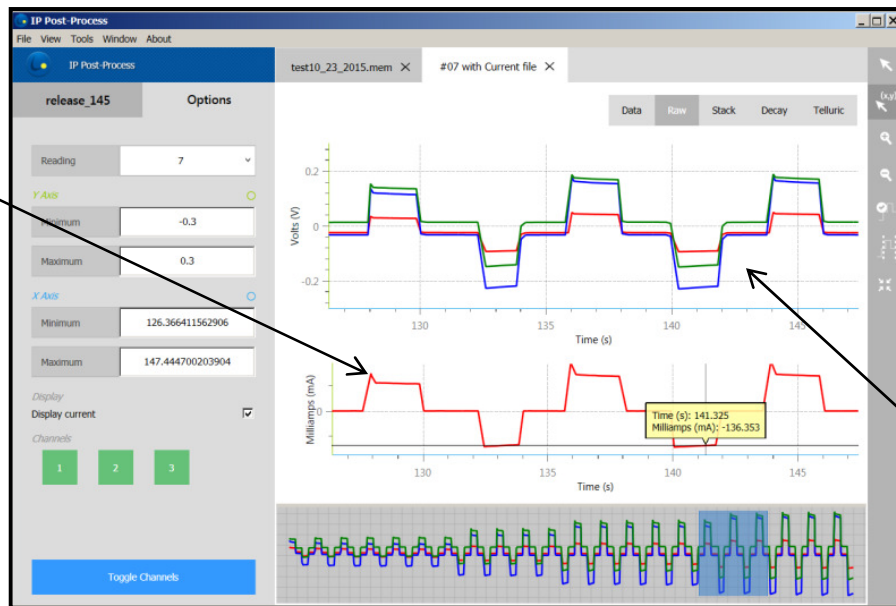


Specifications:

- Input Current: $\pm 40A$;
- Intrinsic noise: $\pm 0.5mA$;
- Accuracy: $\leq 0.5\%$;
- Sampling Rate: 1000Hz (one reading each 1 msec);
- GPS Timestamp resolution: 0.1 μsec ;
- ADC Resolution: 24bits ($5\mu A$);
- Duty Cycle: 50%;
- Signal waveform: Time-Domain (ON+, OFF, ON-, OFF);
- Store over 30 days of readings on a 8 GB Memory stick;
- Temperature range: -40° to $+60^{\circ} C$ (-40° to $+140^{\circ}F$);
- Power supply: Two rechargeable Li-ion batteries;
- Battery Life: $>16hrs$ of operations (at $20^{\circ} C$)
 $\sim 10hrs$ of operations (at -40°);
- Control signal Voltage: 5 and 12 V.



Real-time current measured at the IP Transmitter synchronized with the IP Receiver primary voltage values



Primary Voltage "Vp" measured at the IP Receiver (fullwave data available when using GDD's IP Receivers)

PURCHASE

Can be shipped anywhere in the world.

RENTAL

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 under warranty will be done free of charge at our office in Québec, Canada. Transportation, taxes and duties are extra, if applicable.

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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