



# EM-IP Tx Controller



Enables **GPS synchronization** of your GDD Receivers with any of your Transmitters for both EM and IP surveys. Measures the **GPS timestamp current**.

**NEW!**



With the latest GDD EM-IP Tx Controller, you will get the most accurate and enhanced survey results:

- ✓ Accurate Apparent Resistivity calculation;
- ✓ Ability to compute ON-time EM secondary field;
- ✓ Infinite electrode and remote station current monitoring;
- ✓ And more...

## SPECIFICATIONS - new EM-IP Transmitter Controller

WEIGHT (Tx CTRL only / in Shipping Box)	<b>3.7 kg / 13.8 kg</b>
TOTAL DIMENSION	28 x 25 x 12 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**

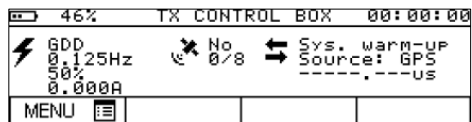
## Features

- 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;
- 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  $\mu sec$ ;
- 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:  $-40^{\circ}$  to  $+60^{\circ} C$  ( $-40^{\circ}$  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  $-40^{\circ}$ );
- Voltage control signal: 5 & 12 V.



Real-time current measured at the EM-IP Tx Controller and stacked over the "Vp" using GDD's IP Post-Process software.



Primary Voltage "Vp" measured at the IP Rx (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 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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