

## **Transponder Information Sheet (2009)**

Electronic timing and scoring has many advantages over manual timing and scoring such as the:

- Quick creation of grids
- Accurate timing of races
- Timely generation of results and championship points
- Alleviation of the volunteer problem
- Availability of lap times

### **Requirements**

All participating machines are required to have a functioning transponder during a VRRA event. This includes practice sessions and heat/final races. Transponders will be checked at pit-out to make sure they are mounted on the machines. Transponders will be verified during practice sessions to help ensure that they function during races.

With each rider having an individual personal transponder mounted on their motorcycle or sidecar, they are scored automatically every time they pass over the start/finish line. Each transponder has a unique code, which identifies that particular rider.

Transponders cannot be shared between members, but may be transferred between a single rider's machines.

### **Compatibility**

The VRRA uses an AMB timing system that supports the use of both the AMB TransX 160 and 260 transponders. This is the same system used by RACE and other organizations.

The TransX 160 transponder is AMB's solution for karts, though VRRA testing has shown that it functions properly when mounted on a motorcycle or sidecar. It is limited to a top speed of 160km/h measured at the time the machine crosses the finish line. For tracks that the VRRA races at, it is not a problem but at faster tracks (i.e. Daytona) it may not work. The TransX 160 transponder retails for \$280 usd.

The TransX 260 transponder designed specifically for motorcycles and is limited to a top speed of 260km/h. The TransX 260 transponder retails for \$420 usd.

### **Purchase Option**

Starting in 2009, the VRRA will no longer be offering transponders for sale to its members. VRRA members can purchase transponders from an AMB distributor or directly from AMB itself. Contact info below:

HPRWORLD.COM  
<http://www.hrpworld.com/>  
1-866-851-RACE or 1-309-691-8789

AMB i.t. US Inc.  
<http://www.amb-it.com/>  
1-678-816-4000

### **Rental Option**

Transponders will be available to rent at the track for \$50Cdn (plus an additional \$200Cdn refundable deposit) for an entire weekend, on a first come/ first serve basis. Please make sure that you have two cheques available, one to cover the rental cost and one for the deposit. Every effort will be made to ensure that sufficient quantities are available, but there can be no guarantee. Only ownership will guarantee that you will have a transponder.

### **Usage**

A transponder battery (NiMH) has a 5 year life expectancy. Batteries can be replaced by AMB for \$50USD, but the transponder must be shipped back to the factory. Charge time is a minimum 14 hours for a full charge allowing a minimum operating time of 3 days.

Each transponder includes a holder, charging cradle and AC/DC power adapters. The transponder is mounted on the fork tube between the triple clamps. The transponder is attached to the supplied holder, which is to be fastened to the fork tube with tie-wraps. Extra holders can be purchased to allow transponders to be easily transferred from one machine to another.

### **Lap Times**

Race results (including lap times) are posted on mylaps.com website after a race weekend has ended.

### **Warranty**

AMB transponders are extremely durable and reliable by design, and come with a full 2 year warranty against product defects. Every transponder is manufactured using only the finest aerospace-grade components and electronics ensuring 100% accuracy and reliability. They are then sealed in epoxy making them completely waterproof, shockproof, and extremely durable, and the covers themselves are resistant to gasoline, chemicals, and fire making them ideal for motorsports.

If you have any questions, please contact me at [nealhowes@sympatico.ca](mailto:nealhowes@sympatico.ca)