Race Technology

Press Release
SPEEDBOX™ High Accuracy Speed Sensors - New Options

Auto Test Expo NA, Novi, Michigan - – October 24, 2007

PRESS RELEASE

Race Technology Ltd, today announces the arrival of the latest members of its SPEEDBOX™ family of high accuracy, GPS based non-contact speed sensors. The SPEEDBOX™ combines the best features of GPS and inertial measurement technology to provide a stable high accuracy output with fast (200Hz update) dynamic response. The unit is simple to install and operate and avoids the inaccuracies and limitations inherent in 'traditional' methods such as wheel speed, fifth wheel and optical speed sensors.

The SPEEDBOX™ is available in two new models:

The standard SPEEDBOX™ uses Race Technology's very own cutting edge GPS solution, ***PurePhase***™, optimized for vehicle speed measurement. This system represents the current state of the art for automotive speed measurement, and is the only GPS hardware solution specifically developed for automotive testing.

SPEEDBOX-RTK adds a second ***PurePhase***™ channel, which allows real time measurement of vehicle yaw and pitch as additional measurement channels. All of the standard features of the SPEEDBOX™ are retained.

Both models provide the same 200Hz output update rate to an external data logging system, such as the well-proven DL1 and DL2 data loggers from Race Technology, or to existing data acquisition equipment. The SPEEDBOX™ can output a wide range of different data formats, including RS232, CAN, pulse and analog.

The SPEEDBOX™ output can also be monitored in real time by connecting to one of Race Technology's in-vehicle display units, such as the DASH1 or DASH2. This makes the SPEEDBOX™ a powerful modular system suitable for OEM testing and high end motorsport applications, or anywhere requiring a high accuracy real time non-contact speed measurement.

"The SPEEDBOX is an absolutely state-of-the art instrument" stated Dr. Andrew Durrant, Director and chief software engineer for Race Technology. "Utilizing a high speed TI DSP and specifically optimized for the dynamic conditions encountered in automotive testing, no other device is as accurate in as wide a range of conditions".

"Customers have told us that a speed sensor needed to be both accurate and highly versatile, while being both physically and operationally robust" says Dr Martin Hill,

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Director and chief hardware engineer for Race Technology. "We have filled that need with the SPEEDBOX"

The SPEEDBOX™ is encased in CNC machined aluminum, sealed against dust and water to IP65 standards, and is tested to 150+ Degrees F. The hybrid GPS-Inertial system makes the SPEEDBOX™ highly accurate, dynamically responsive and quite resistant to errors due to GPS signal dropouts.

The SPEEDBOX™ is available now, direct from Race Technology or through their authorized dealers. Full specifications and ordering information can be found on www.race-technology.com

Race Technology has been producing innovative data logging and vehicle test solutions since the company was founded by Andrew Durrant and Martin Hill six years ago. They are now a technology leader in GPS enabled systems and sensors, for both professional testing and motorsports applications.

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See accompanying CD for photos and more information