PRI 2004, Latest News

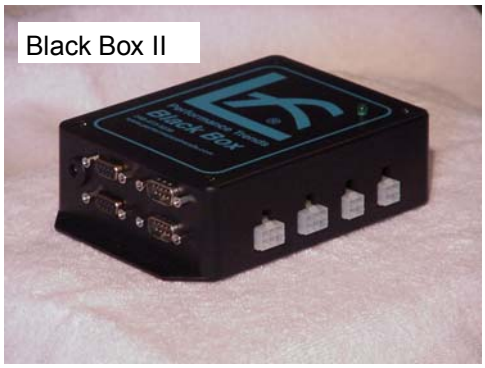
The Performance Racing Industry trade show is upon us again. Time to debut our latest updates and new products. Here's some of our latest developments, some too new to even get in our product brochures or price lists.

Data Loggers

We've really changed our line of data loggers. The original 4 channel DataMite is gone. Replacing it will be 2 different systems, the DataMite Lite for vehicles, and the Black Box II for dynamometers. Both systems offer significant improvements in both cost and capability.

Black Box II is a bench top data logger ideal for smaller dynos. It has built in weather station capabilities, 2 RPM inputs, 8 analog inputs, digital and analog outputs for simple control, and more. Pricing has not yet been finalized, but it is expected to start at approximately the same price as the DataMite. The advantages are:

- You can add more sensors than with the old DataMite.
- You will not require analog converters for many types of sensors (thermocouples will still require converters).
- The weather station will be incorporated into the box for easier operation, less cost, and improved accuracy (weather data is recorded with the test data).
- The testing process is faster and easier since the data is recorded directly to the computer (downloading is not required).


Black Box II

DataMite Lite has more channels than the old DataMite, but not as many as the DataMite II. It records 9 channels (2 RPMs, 2 analogs, built in accelerometer, 1 timer for lap timing), but has the option of adding 5 more analogs if needed. The system's small size (3.8 x 5 x 1.5 inches) makes it ideal for vehicles, including motorcycles. Its built in accelerometer will allow for track mapping for circle track and road racing, or critical vehicle data analysis for drag racing. The timer input allows for lap timing for lap and segment time analysis. Add the additional analog inputs and you can easily record shock travel (all 4 corners) and steering.


DataMite Lite

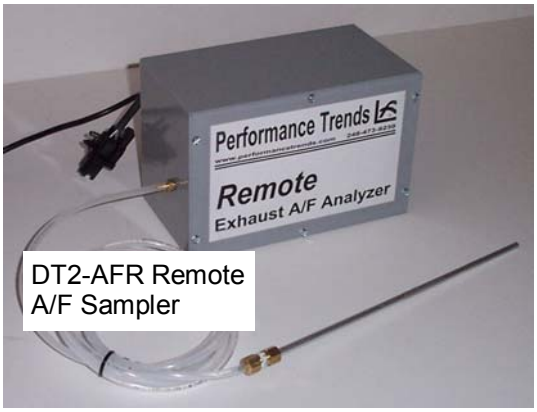
DataMite HS is a high speed device, designed primarily for high speed dyno data acquisition (like measuring tuning pressure pulsations or valve train dynamics). It also has analog output capabilities for simple dynamometer control. It attaches to the computer's USB port and can work in conjunction with one of our data loggers.

DataMite HS

Other News

DT2-AFR remote A/F sampler lets you pull a sample from the exhaust and pass it by our wide band O2 (UEGO) sensor for accurate A/F measurement. It has these new options:

- Dual channels to accommodate 2 A/F sensors (like a left and right tailpipe), part # DT2-AFR2
- 220 VAC power for overseas operation
- Oil trap to trap contaminating oil before it gets to the sensor (used primarily on 2 stroke engines)
- Probe clamps (adjustable) to easily attach the probe to vehicle exhaust pipes

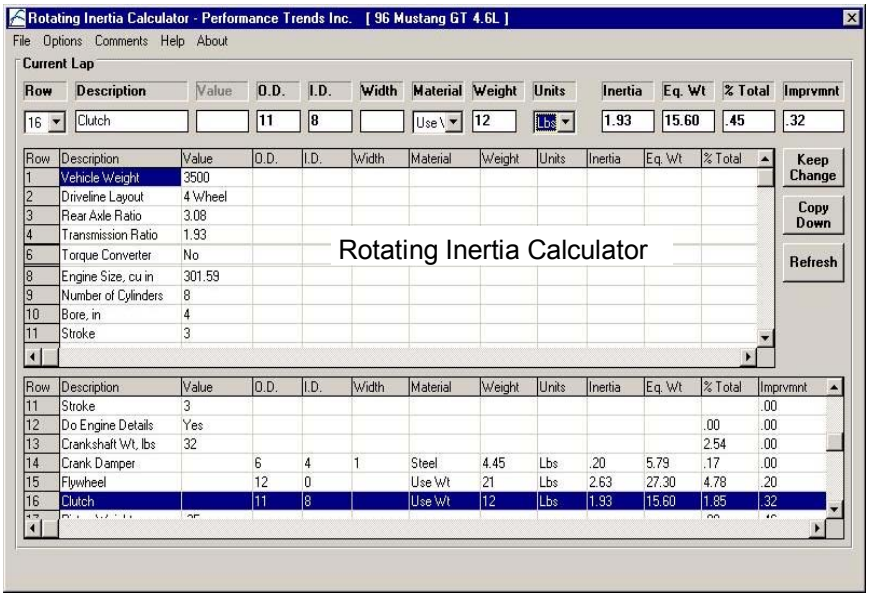


DT2-AFR Remote A/F Sampler

Price Reductions

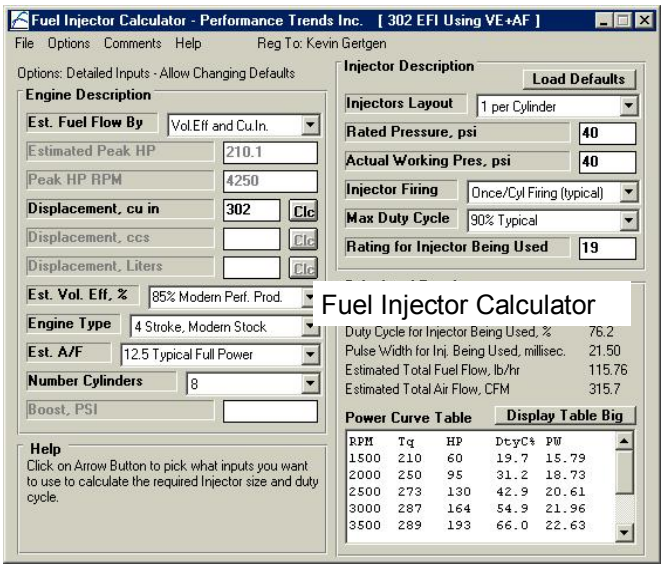
Several products have been reduced in price since the last trade show. These include our:

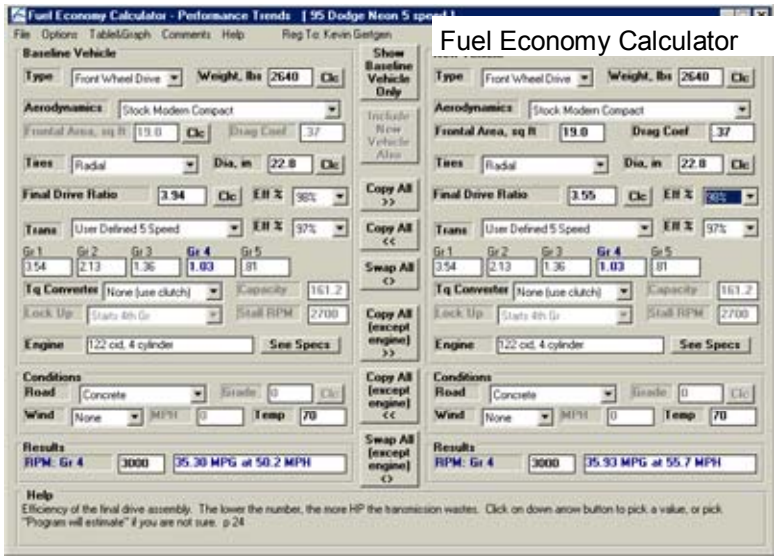
- DT2-AF1 UEGO A/F sensor package (was $499 and now is $399) and all our UEGO A/F sensors and systems.
- Most all standard spring testers have been reduced by approximately $100 by us offering a simple, Basic version of the software. The "Plus" version with all features is available for an additional $100.



New Software

Rotating Inertia Calculator Removing weight from a rotating component gives a bigger performance benefit than removing the same weight from a non-rotating component. This **program** lets you check just how large this effect is for various size components with different gear ratios, tire size, etc.

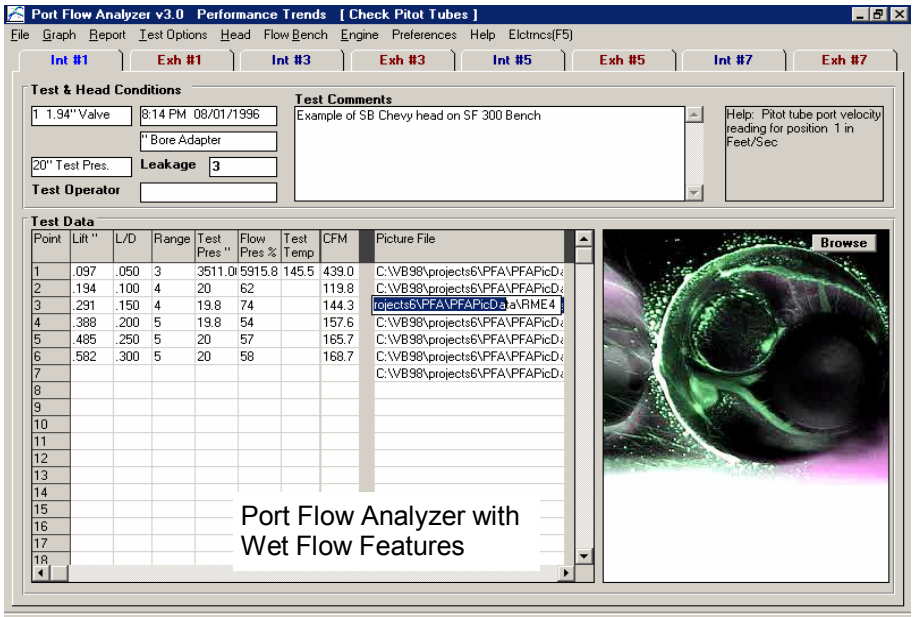




Fuel Economy Calculator is the most detailed program to predict the effect vehicle and engine modifications have on vehicle fuel economy. This program also Auto-Links to our Engine Analyzers to instantly check engine mods for MPG.

Fuel Injector Calculator lets you size electronic fuel injectors based on HP, engine size, boost, volumetric efficiency, RPM range and more.

Port Flow Analyzer now lets you record data concerning wet flow testing, like picture files of the wet flow patterns shown to the right.



For all the latest news, send us an email with your email address and request to be put on our email mailing list. We send out newsletters every month or so.

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