

2014: Latest News



Dyno Controllers lets you control your water brake or eddy current dyno when dyno testing with our Dyno DataMite USB loggers. We released the eddy current control this year and will release the water brake control in January 2015. Call for more info for your particular application. Fig 1, 2.

Dyno DataMite has new features, which include:

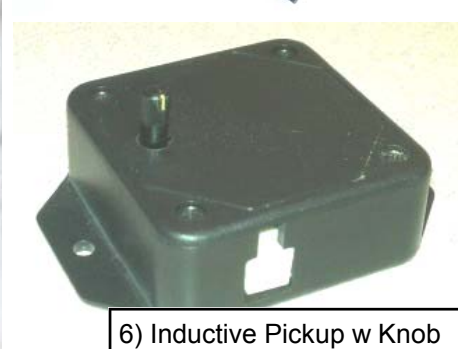
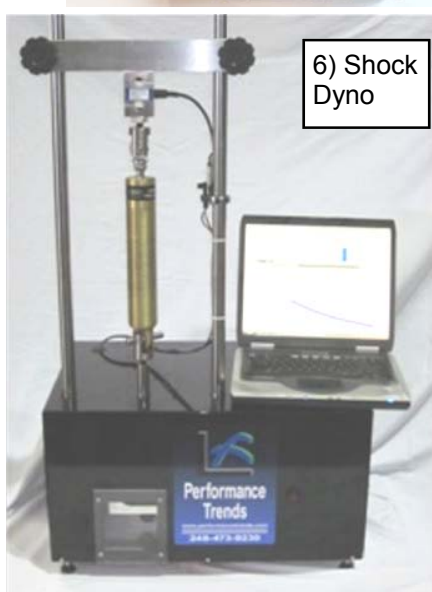
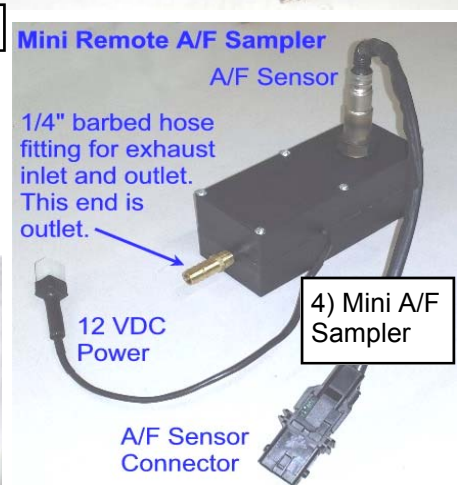
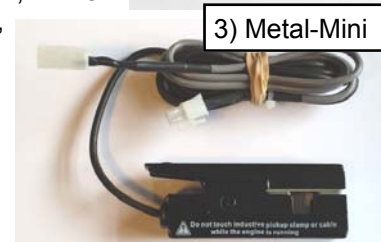
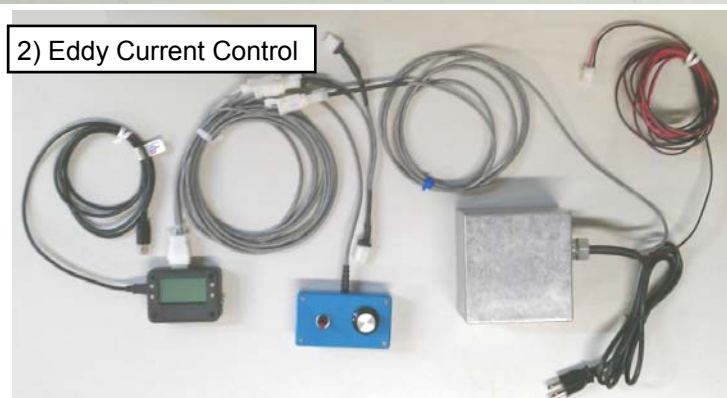
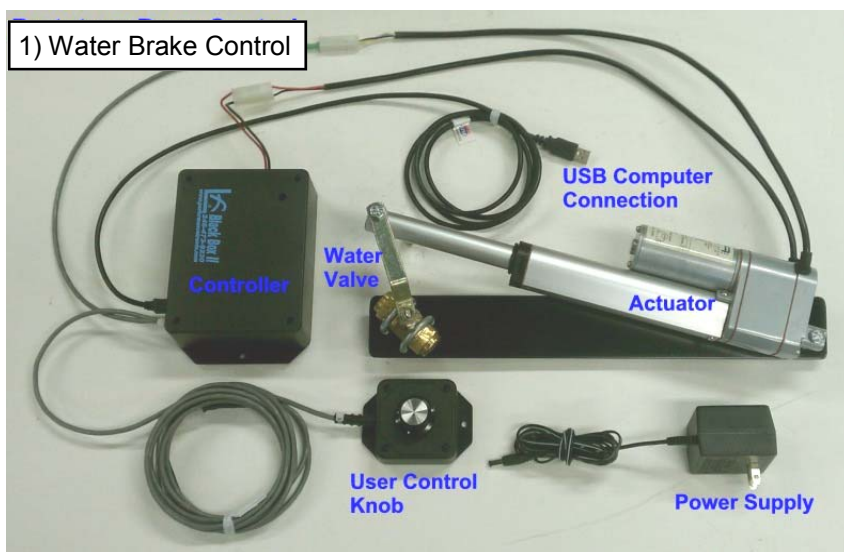
- Better control and reliability for communicating with dyno controllers.
- Adjustment knob on Inductive Pickup. Fig 6.
- New, smaller, metal inductive pickup clamp. Fig 3.
- Mini Remote A/F Sampler. Fig 4.
- "Talks" to Weather Wiz software for predicting jet changes at the track.

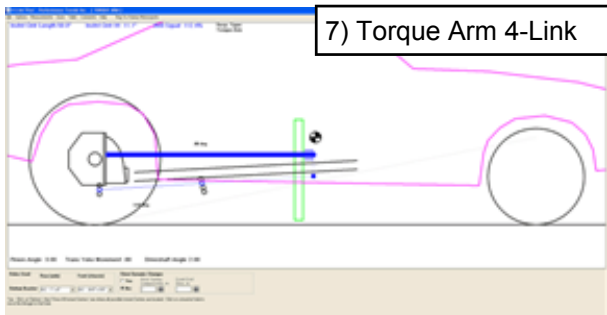
Shock Dyno has been released. The dyno can easily handle forces up to 1500 lbs and strokes up to 3 inches. Fig 5. Additional features include

- 1.5HP, 110 VAC motor (ideal for most trailers and generators). 220 VAC also available. Fig 4.
- Up to **3" stroke and 20"/second** shock velocity.
- Handles forces up to **1500 lbs**.
- Optional shock temperature sensor.
- USB computer interface
- Software compatible with Win XP, Vista, Win 7, Win 8.

Advanced Plus version of software also available, which includes reversing motor direction via computer, cycle until a specified shock temperature is reached before testing, graphing results before and during testing, and more advanced graph types. Fig 5, 6.

Flow Bench Controller lets you specify a test pressure and the controller regulates A/C voltage to hold it constant. The microprocessor PID control allows for stable pressure through a wide variety of conditions, either high or low flows. It works in conjunction with our Port Flow Analyzer via a USB port so it can be retrofitted to most any flow bench, equipped with our





Black Box II or a Superflow FlowCom. Fig 8.

Engine Analyzer Pro Enterprise Edition

In early 2015 we'll add the ability to simulate valve **spring** dynamics. The Pro has always done valve **train** dynamics, but now it will include the aspects of spring surge, coil clash, and more. Fig 10.

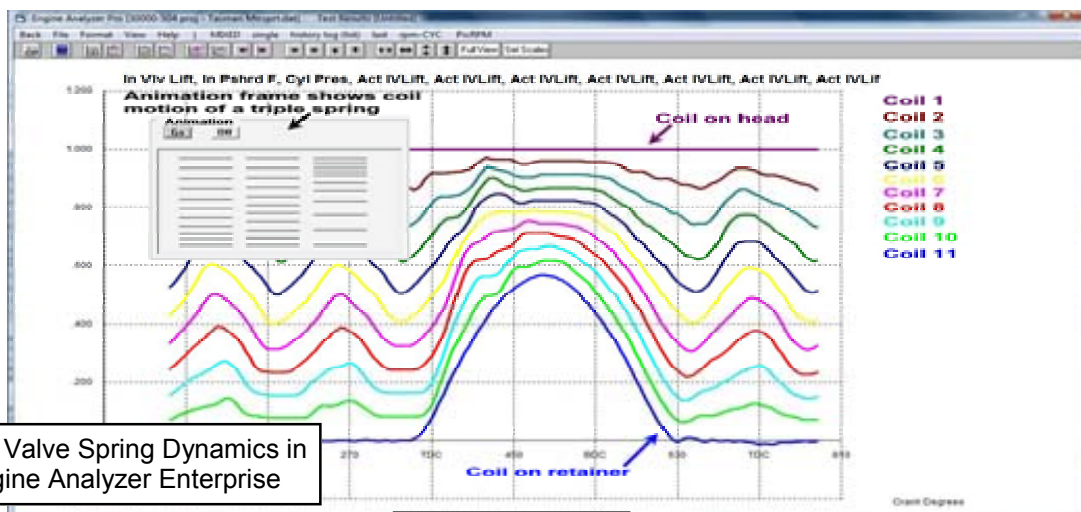
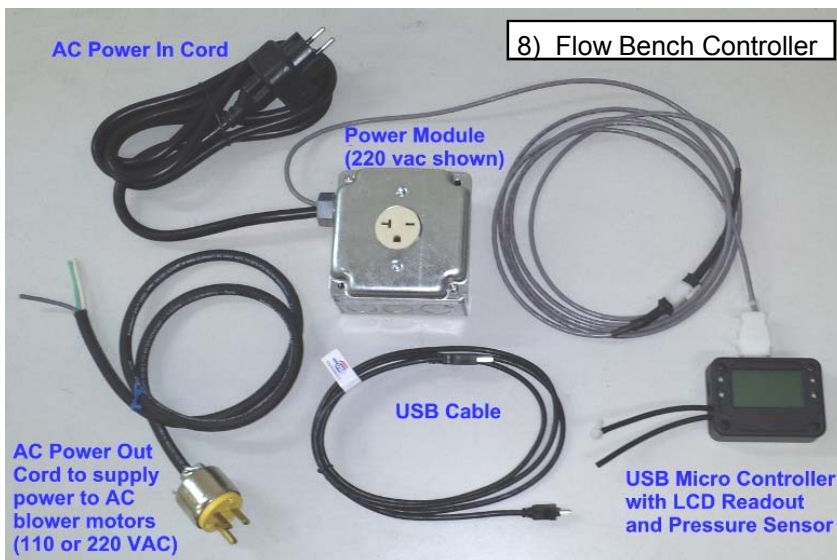
Quick Cam Checker has been released. It lets you check timing on your cam quickly and easily, without having to find TDC or set up a degree wheel. Fig 11, 12. Using a smart microprocessor and inexpensive sensors, you can find centerlines while just cranking the engine over. Other data like lift, duration at .050", etc included. No computer needed, but it can send results to free Windows software via USB.

A/F Checker lets you check the calibration of UEGO A/F sensors in an actual A/F environment of propane and compressed air (or other gasses). Fig 13. This goes way beyond a simple "free air" calibration. You set a certain condition and read the A/F on the checker and see if your A/F sensor matches it.

Other Products have been updated or added, including:

- 4 Link Plus now does Torque Arm rear suspensions like Gen 3 and 4 Camaros. Fig 7.
- Circle Track Log Book now has a Plus version to keep records for up to 10 different cars.
- 100% cotton and 100% "Made in USA" tee shirts are available in M, L, XL and XXL. Fig 9.

Watch our website and get on our newsletter mailing list for info on new products.



Cam Checker Data Logger - Performance Trends Inc. [Example]

File Options Help Reg To: Jim Powers

Read Data from Logger

Export Data To Notepad

Graph Data

Display: Basic

Record	All Data	Int CL	Exh CL	Int Lift	Exh Lift	Rated Lift	Int Dur	Exh Dur
1 Test w 200	Time+Basic+Template	107.56	108.32	0.391"	0.377"	0.200	163.71	158.36
2 Test 2 15	Basic+Events	108.00	107.61	0.391"	0.378"	0.150	188.56	184.79
3 Test w 100MM	Basic+Cam File Name	107.56	108.20	0.391"	0.377"	0.100	216.43	210.92
4 Test 4 repeat		107.84	107.68	108.00				
5 Test 3 repeat		108.11	107.62	108.59				
6 Test 2 repeat		108.00	107.22	108.79				
7 Test 1		107.96	108.01	107.91	0.391"	0.377"	248.57	244.95

11) Cam Checker Software

