

# ALTERNATIVE ENERGY SERIES



*MEG-150*

## ALTERNATIVE FUEL ENGINE PROGRAM MEG150 - DAD

MEG 150: alternative fuel engine study program can be interfaced with gas analyzers and coupled to an electric dynamometer to measure emissions under various loads. It can be operated with fuel injection or naturally aspirated carburetor. Plot, graph and print from this fully instrumented laboratory device. ANY engine and dynamometer configuration can be adapted to this, allowing full performance runs that can be compared graphically or through spreadsheets.

### FEATURES:

- Allows user to power graph live data from engine
- View effects of different fuels directly by overlaying graphs
- Ability to set up custom graphs using only desired data/sensors
- Console layout can be customized to suit specific needs
- Audio/Visual warnings can be set for various parameters
- Compatible with Windows XP (Vista, NT, 2000, Me, 00 98)



*Optional PC Data Acquisition*

### COURSE DESCRIPTION:

This package can work with ANY dyno as built by Megatech. The software package, combined with the TE-1, Alternate Fuels Engine, is a powerful training aid for any student learning alternate fuels. The software allows the user to graph multiple runs of the TE-1, using alternate fuels (propane, methanol, ethanol, etc.), showing the various properties of each. Students can actually see which fuel produces more torque! Which burns hotter, propane or alcohol? Information like this can be graphed, and compared on a computer, then saved or printed. Study high performance engines, as the engine allows for different compression ratios and timing to be selected, then Horsepower and Torque to be viewed on screen. Want to instrument your diesel engine and see how BIODIESEL will effect performance? Easily done.