

# ALTERNATIVE ENERGY SERIES



## MEG-150 Alternate Fueled Engine

This patented oil-less, four stroke transparent engine uses multiple fuels to run. With the ability to vary timing or change the compression ratio, this trainer is the world's most unique teaching device. Run it on ethanol or methanol, propane or natural gas and measure the horsepower with the electric dyno as shown above and witness the actual combustion of different fuels. Available with or without dyno, and with or without electric start. With an emission analyzer you can do many alt. fuels emission tests.

### COURSE DESCRIPTION:

The ADVANCED LEVEL Program provides experiments in the areas of variable compression ratio, variable spark timing and operation with any combustible fuel. The MEG-150 program attaches a dynamometer to the TE-1 allowing the student to measure the engine's horsepower. Also, this patented electric dynamometer converts useful power to electrical energy. The net electrical power output is measured by a DC ammeter and voltmeter. The MEG-150 program is based on alternative fueled engine technology for the 21st century.

### Equipment and Parts List:

- Megatech Mark III Engine
- Megatech Electric Dynamometer/Generator
- 25 in.-lb Torque Wrench
- Cotter Pins
- 4:1 Compression Ratio Piston Cap
- Pull Rope Assembly
- Battery Charger
- Modified Propane Nozzle Adaptor
- Timing Light
- Auxiliary Fuel Can
- 3' Lengths of 1/2" and 1/8" ID Neoprene Tubing
- 3' Length of 1-1/4" Flexhaust Air Hose
- 1-1/4" Hose Clamps
- Headlight Set-Up with Positive and Negative Leads

