

## ENGINE PERFORMANCE AND EMISSIONS MEG150

### DESCRIPTION:

MEG150: 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.

The MEG150 Engine Performance program has made the study of 4-cycle engines a simple task and opened the door for the student to conduct multiple experiments. This patented and unique engine features transparent engine construction, which exposes all the moving parts of a 4-cycle engine. Since the MARK III is oil-less too, it enables the student to observe clearly the crankcase components and internal combustion of the engine. Includes variable timing and compression.



*MEG150: Oil-less 4 cycle engine operates with any alternative fuel.*

## MEG - EVAP

### DESCRIPTION

This all-inclusive trainer shows the evaporative system components in a fabulous and easy to handle display package. It includes a small see-through fuel tank and cap, a purge solenoid, fuel tank pressure sensor, and a vent solenoid. The purge solenoid can be pulse activated to provide real-life action and to allow system testing. A simple switch opens and closes the vent solenoid, simulating a typical vacuum decay system, to allow system operation and monitoring. The fuel tank pressure sensor is provided with a regulated five volt reference and ground and can be tested using traditional pressure sensor methods.

The trainer is ideal for use with a smoke tester so that instruction can verify and quantify leaks, make repairs, and simulate a system monitor to verify the system repair. The fuel tank allows a good view of the smoke and a light will easily illuminate the leaks. Various leaks can be induced and the sizes modified to simulate the "vehicle" being tested.



Includes:

- comprehensive manual
- variable leaks down to .025"
- Available LDP and EONV

Requires 12 VDC