



## AIRCRAFT TURBINE ENGINE TRAINER

The trainer consists of :

- Serviceable Aircraft Turbine Engine (Two stage compressor, Three stage turbine)
- Engine Stand
- Engine Instrument Panel
- Oil System
- Fuel System
- Engine Electrical System

The stand allows for the running of the engine over its operating range of rpm. It is mobile to allow easy positioning of the engine but with means of securing for ground runs.

The instrument panel allows for the display of :

- Oil Temperature
- Oil Pressure
- Fuel Quantity Flow and Pressure
- RPM / Torque
- Temperature

The panel is connected to the engine and associated systems by an umbilical cord sufficiently long to allow the operator to run the engine safely.

The oil, fuel and electrical system are representative of typical aircraft systems and comprise all systems needed to start and run the engine.

The engine electrical system includes provision for aircraft batteries for starting, ground power connection with standard connector.

As a separate option an engine gearbox driven electrical generation system, comprising one of the following, is provided:

- Constant Speed 115 VAC generator, and 115 VAC-28VDC TRU
- Frequency wild a.c. generator, and 115VAC-28VDC TRU
- Generator, and 28VDC-115VAC Inverter

With the above option the trainer instrument panel provides for generation system a.c. and d.c. voltage and current monitoring.

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