

Modified Gun Type Oil Burner Seat Cushion/ Power Plant Fire Penetration Tester **MODEL: OB-MG-HC**

SPECIFICATIONS/STANDARDS

Seat Cushion: FAA Handbook Chapter 7	Power Plant: FAA Handbook Chapter 12
FAR Part 25 Appendix F Part II	Airbus AITM 2.009
Boeing BSS 7303	

FEATURES/OPTIONS

120V 50/60Hz or 230V 50/60Hz

Burner mounted on rotating support system at specified horizontal orientation

Includes: draft tube, turbulator, igniter, fuel nozzle, stainless steel extension cone, housing cradle, fuel pump, fuel drum, and anemometer

Control console allows remote access of burner controls and includes timing device to monitor warm up and flame application period

Optional specimen support system allows for easy conversion between seat cushion and power plant test configurations

Optional calibration systems (thermocouple rake and heat flux transducer) compliant to both the seat cushion and power plant tests

Optional data console containing data acquisition board and software installed on laptop computer to record and monitor output of calibration systems

The software produces necessary data and charts to substantiate proper calibration according to FAA methods

DIMENSIONS OF INSTRUMENT

Instrument 35" x 46" x 32"

Control console 25" x 20" x 64"

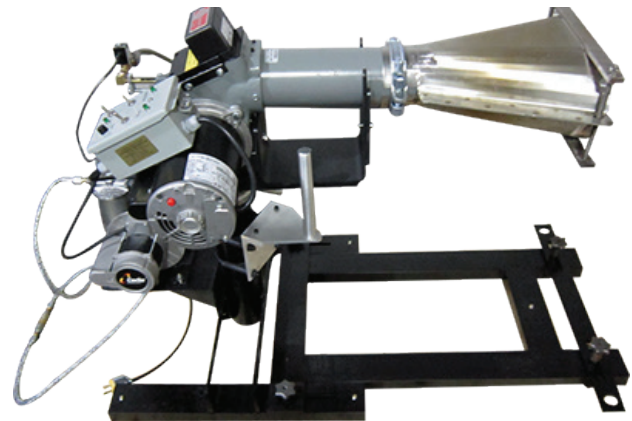
Specimen stand 18" x 35" x 55" Width x Depth x Height

APPROXIMATE SHIPPING WEIGHT AND DIMENSIONS OF PACKED BASE INSTRUMENT

750 lbs, 70" x 73" x 40"

DESCRIPTION

OB-MG-HC measures burn resistance and weight loss characteristics of aircraft seat cushions when exposed to a high-intensity open flame and determines the capability of components and constructions to control the passage of fire or its effects in powerplant compartments.



FACILITY REQUIREMENTS

Clean, dry, compressed air supplied at 60 PSI, 66 SCFM, and a temperature of 40-60° F

Overhead exhaust hood approximately 12' x 12' with 3,000 SCFM exhaust capacity

Fuel cooling system to supply fuel at 32-52° F

One of the following fuels: No 2 grade kerosene, JET A, No 2 grade diesel fuel