

Thin Film

Bitumen Oven for Rolling Thin-Film Oven Test

UTAS-0140/A

UTAS-0140 Bitumen Oven uses the rolling thin-film oven test (RTFOT) method to determine the resistance to hardening of semisolid asphaltic materials/ bitumen or bituminous binders under the combined effects of heat and air.

The Internal chamber of the UTAS-0140 Bitumen Oven is insulated with fiberglass or similar, is made out of stainless steel, and has a door with a symmetrically located window.

The oven has a programmable temperature controller which has a digital display system and works in PID mode. The oven uses a temperature sensor instead of the ASTM 13C thermometer. The digital unit on the oven displays the temperature and the temperature can be controlled by a mechanic switch on the oven. Conforming to the CE Directives.

Air Compressor and Air-Drying Unit (UTGE-3572) should be ordered separately. Maximum pressure should not exceed 2 bar when an air compressor is used.

The Bitumen Oven for RTFOT is supplied complete with;

- Glass Containers, 8 pcs.

Bitumen Oven for Thin Film Oven Test

UTAS-0145

UTAS-0145 Bitumen Oven can be used to measure two different things, and uses two different methods to do so.

Firstly, it is used to measure the loss in mass of oil and asphaltic/bituminous compounds by using the loss on heating test method. Secondly, it is used to measure the effect of heat and air on semi-solid asphaltic/bituminous materials with the thin film oven test (TFOT) method.

The internal chamber of the UTAS-0145 Thin Film Bitumen Oven is made of stainless steel and the door has a panel window.

The oven has a working temperature ambient to 200 °C, a digital PID controller and a circulation fan.

Rotating shelf and sample cups should be ordered separately according to the test type.



About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers