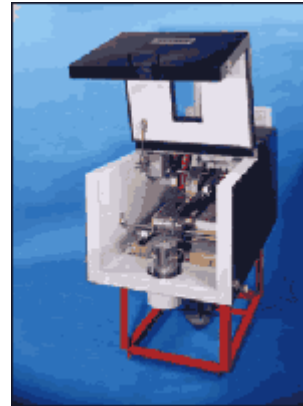


## **S867 - DRY WHEEL TRACKER**

Wheel Tracking Tests determine plastic deformation of asphalt based road surface wearing courses under temperature and pressures similar to those experienced under road use. Such tests are carried out during road construction and also in material design. The use of Wheel Tracking Tests will prevent road surfaces being laid, which rut in hot weather and which need to be relaid.

Wessex has been the main UK manufacturer of Wheel Tracking Machines for the past 25 years. The current computerised machine meets the requirements of BS 598 and prEN 12697-22 and provides a fully automated test with automatic calculation of Tracking Rates.



### **SAMPLES**

- . Cored from laid material, or laboratory specimens(slabs)
- . Up to 80 mm. thick
- . 200 mm. diameter or 305 mm. square
- . Up to 75 °C

### **DEMONSTRATIONS**

- . Demonstrations at our works
- . Visits to reference sites

### **MACHINE FEATURES**

- . Housed in a compact insulated cabinet
- . Used in conjunction with standard sample conditioning ovens
- . Cabinet regains set point, when opened to change sample.
- . 6 forty five minutes tests can easily be carried out in an 8 hour shift (time of test can be varied by operator)
- . Cabinet temperature can be reset quickly to either 45 or 60 °C (any temp between 20 and 75)
- . Made from specially engineered components
- . Driven by an inverter controlled electric motor
- . Displacement transducer is externally mounted, rigidly supported and vibration damped
- . Rubber tyred wheel conforming to BS 598
- . Option of special flywheel extension allows different stroke lengths.
- . Control cabinet containing power supplies and signal conditioning units
- . PID Temperature Control to +/- 0.5°C

### **COMPUTER CONTROL**

- . Bespoke software controls operation of machine and recording of results
- . Runs under Windows XP,2000,NT, 98, or 95
- . Machine starts and stops under computer control
- . Rut depth and temperature displayed during test
- . Results recorded at 1 minute intervals (adjustable)
- . Print out of full details at conclusion of test

- . Automatic calculation of tracking rate, both for test and series data
- . Software calibration of temperature
- . Test stops after 45 minutes or rut depth of 15 mm (adjustable)
- . Cycle count is displayed
- . Help file on screen contains full instructions
- . An IBM compatible PC is required, Pentium with 16 MB of memory
- . Full Specification available on request

#### **PHYSICAL DATA**

- . Length (packed) 160cms
- . Width (packed) 80cms
- . Height (packed) 180cms
- . Volume (packed) 2.3cu. metres
- . Weight (packed) 490kg
- . Electrical Supply  
230V. 50Hz Single Phase 13 amp.

#### **MORE ...**

s867 Introduction  
s867 Test procedure  
s867 Safety  
s867 Installation  
s867 Computer system  
s867 Adjustments  
S867 - Fault finding