

Dynatest 6875H Highway Slip Friction Tester

The Dynatest 6875H Highway Slip Friction Tester is an accurate and repeatable, self-contained measuring device that provides self-wetted coefficients of friction on highway pavements.

Advantages

The 6875H is a fully instrumented vehicle that uses a Dynatest Two Axis Force Transducer mounted on a retractable fifth wheel assembly. The test gear is mounted adjacent to the left wheel of the vehicle to allow safe wheel track testing.

This assembly provides real time vertical load and horizontal tractive force measurement. The fifth wheel assembly is driven at 14% slip. The 6875H meets the requirements of ASTM Standard E2340 for fixed slip friction measurement.

System electronics include laptop computer and colour graphics printer.

User-friendly Windows® software allows the operator to enter customized test patterns, test type (manual or automatic) and to annotate pavement test conditions for later reference.

The friction values, along with vehicle speed and water flow rate data are stored and can be printed out during testing or post test.

The system includes a minimum 250 U.S. gallon (1000 litre) self watering tank, positive displacement water pump and laminar flow water nozzle to allow for wet pavement testing on up to 72,000+ft. (22000+m) of pavement with a water film thickness of 0.02in (0.5mm).

Designed for maintenance testing to evaluate pavement friction changes due to weathering, high usage, aging, and contaminants. It can be used in difficult test areas, such as bridge decks, off-ramps, city streets, and intersections, giving an accurate continuous friction trace for the area being tested.



6875H TEST GEAR



Optional Features

GPS, Laser sensors for profile or texture data collection

Assembly

- ASTM E -1551 standard test tire
- Hydraulic raise/lower system
- Dynatest two-axis force transducer
- ASTM E274-97 type laminar flow water nozzle