



6875H HIGHWAY SLIP FRICTION TESTER (HFT)



The Dynatest 6875H Highway Friction Tester is designed for maintenance testing to evaluate changes in highway pavement friction characteristics due to weathering, polishing, aging, and contaminants.



■ COMPLIANCE WITH INDUSTRY STANDARDS

ASTM E2340 “Standard Test Method for Measuring the Skid Resistance of Pavements and Other Trafficked Surfaces Using a Continuous Reading, Fixed-Slip Technique”

ASTM E1551 “Standard Specification for Special Purpose, Smooth-Tread Tire, Operated on Fixed Braking Slip Continuous Friction Measuring Equipment”

ASTM E556 “Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform”

■ SYSTEM HARDWARE AND SOFTWARE FEATURES

Self-contained continuous friction measuring equipment (CFME) provides measured friction coefficient (μ) along the length of a pavement section in wet condition at one foot/one meter intervals

“Fifth wheel” mounted two-axis transducer provides direct measurement of both horizontal friction force and vertical load on the test wheel

The “fifth wheel” assembly driven at critical fixed slip of 13%

Self-wetting testing of up to 88,000 ft (26,800 m) without refilling providing a water film thickness of 0.02 in (0.5 mm)

Larger volume aluminum, baffled, built-in water tanks available depending on truck size

Positive displacement water pump and laminar flow water nozzle

Solid state electronics and instrumentation

■ SYSTEM TRIM CALIBRATION

Full system diagnostics of transducer, encoders, brakes, and water system

Menu-driven software enables operator to control test parameters
Provides real-time vertical load and horizontal tractive force measurements

■ AVAILABLE UPGRADE OPTIONS

Texture laser

Differential GPS

Right of Way camera