

Dynatest

1295 Pavement Friction Tester (PFT)

The Dynatest 1295 Pavement Friction Tester (PFT) measures the average locked wheel (skid) and peak (slip) friction characteristics on dry or self-wetted paved surfaces. It is designed for maintenance testing to evaluate the alteration of pavement friction resulting from traffic, aging and weathering.

The PFT consists of a fully instrumented tow vehicle and test trailer and utilizes the Dynatest two-axis transducer to provide real-time vertical load and horizontal tractive force measurements.



Compliance with Industry Standards

- ASTM E274 “Standard Test Method for Skid Resistance of Paved Surfaces Using a Full-Scale Tire”
- ASTM E1337 “Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using a Standard Reference Test Tire”
- ASTM E501 “Specification for Rib Tire for Pavement Skid Resistance Tests”
- ASTM E524 “Specification for Smooth Tire for Pavement Skid Resistance Tests”
- ASTM E556 “Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform”

System Hardware and Software Features

- Two-axis transducer provides direct measurement of both horizontal traction force and vertical load on the test wheels
- Trailer equipped with a parallelogram suspension, non-resonant combination of coil springs with heavy duty air shocks and disc brakes
- Solid state electronics and instrumentation
- Simple trim system calibration
- Full system diagnostics of transducer, encoders, brakes, and water system
- Test headers, skid numbers, peak friction values, can be stored and optionally printed
- On-board computer calculates

- Skid Number (SN) and Peak Braking Coefficient (PBC) in real time and displays friction and speed traces for each test

Available Upgrade Options

- Dual side measurement and wetting
- Texture laser
- Differential GPS
- Right of Way camera

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[Learn more about the PFT](#)

