

# 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.

All electronic instrumentation is state of the art and the user-friendly, menu-driven Windows software, allows the operator to enter and document multiple test parameters. The system is equipped with digital encoders to accurately measure distance and monitor test wheel speeds and lockup, Laptop PC, and color graphic printer. monitor test wheel speeds and lockup, Laptop PC, and color graphic printer.





## 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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