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.

Dynatest®

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 printed and/or stored

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