



CODE GT1557
 MODEL BOT-3000 E
 EXTERNAL DIMENSIONS 290x200x170 mm
 INSTRUMENTS WEIGHT 6,9 KG



TRIBOMETER BOT 3000 - E

STANDARD

ANSI B101.1 - ANSI B101.3, ANSI A326:3, ANSI A137:1

DESCRIPTION

The BOT-3000E (Binary Output Tribometer) can measure both static and dynamic coefficient of floor friction on a variety of test sliders in both wet and dry conditions. The BOT-3000E provides a printed record of test parameters and results which can strengthen courtroom credibility. Available with interchangeable sliders of Neolite, SBR, Four S, TRL, leather and hosiery. The BOT-3000E conforms to American National Standard B101.1, "Test Method for Measuring Wet SCOF of Common Hard-Surfaced Floor Materials". It also conforms to ANSI B101.3, which measures dynamic coefficient of friction. - Interface to PC or laptop

TECHNICAL SPECIFICATIONS

- Programmed test types: Wet / Dry / SCOF / DCOF (flying heel or user-defined test run distance)
- Range: (SCOF, DCOF): 0.00 - 1.00 μ
- Recharge time: approx. 12 hours when fully discharged
- Fwd. speed: 20 cm/second (DCOF mode)
- Available sensor (slider) types: Leather, Neolite, SBR, Custom
- Measurement velocity (DCOF): 20cm/s +/- 5%
- Measurement range: 0,01 to 1,00 μ
- Measurement normal force: 21.3N +/- 1%
- Contact patch area: 3 mm x 28mm
- Measurement system tolerance: 2%
- DCOF measurement distance: 10 to 50cm, incremental by 5 cm (displays 4" to 20")
- Ramp angle: 9,6 degrees maximum (declination)
- Verification mass: 1,36 Kg
- Operating/storage temp: 5 - 40 C
- Operating/storage humidity: 5 - 90% RH (non-condensing)
- Internal memory: 1000+ measurements
- Display: 480 x 272 LCD TFT display with 262K colors, LED backlit
- Printer: thermal, 48 mm wide, 8 dots/mm (Thermal printout information: Test method, last calibration and verification dates, sensor (slider) information, distance (DCOF), test results (min, avg, and max values read), temp and humidity, facility and location codes. Test data storage/transfer: USB flash drive (FAT32 format)
- Transferred file formats: PDF, TXT/CSV (LOG files)
- Power source: RSI battery pack (NiMH battery, 12V nominal, 3,8Ah)
- Battery charger: 120-240VAC 50/60 Hz input
- Recharge time: approx. 12 hours when fully discharged
- Camera (forward facing): 1 megapixel, fixed focus

EQUIPMENT

- SBR and Neolite test feet (required to run ANSI/NFSI B101.1 [static] and B101.3 [dynamic] tests)
- 1 tube surfactant (required to run ANSI/NFSI B101.3 dynamic coefficient of friction tests)
- Verification mass
- Sensor validation reference surface
- On-board forward-facing camera 1 megapixel, fixed focus
- Wire brush
- One roll of thermal paper tape
- Power adapter (for 100-240V, 47-63 Hz, output 18V)

ACCESSORIES AND SPARE PARTS

GT1588	Slider leather test foot
GT1589	Slider rubber test foot
GT1590	Slider SBR test foot
GT1591	Packing of 3 thermal print paper rolls
GT1592	Surfactant, 13mL SLS (makes 1 US Gallon of solution) required for B101.3 testing
GT2671	Tile validation strip ANSI A326.3 with fixing frame (dry and wet testing)