

## 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 (fl ying heel or user-defi ned test run distance)
- range: (SCOF, DCOF): 0.00 – 1.00  $\mu$
- 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  $\mu$
- 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 5cm (displays 4" to 20")
- Ramp angle: 9,6 degrees maximum (declination)
- Verifi cation 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 backlight
- Printer: thermal, 48 mm wide, 8 dots/mm (Thermal printout information: test method, last calibration and verifi cation 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 fl ash drive (FAT32 format)
- Transferred fi le formats: PDF, TXT/CSV (.LOG fi les)
- 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, fi xed 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)
- Verifi cation mass
- Sensor validation reference surface
- On-board forward-facing camera 1 megapixel, fi xed focus
- Wire brush
- One roll of thermal paper tape
- Power adapter (for 100-240V, 47-63 Hz, output 18V)

### ACCESSORIES AND SPARE PARTS

<b>GT1588</b>	Slider leather test foot
<b>GT1589</b>	Slider rubber test foot
<b>GT1590</b>	Slider SBR test foot
<b>GT1591</b>	Packing of 3 thermal print paper rolls
<b>GT1592</b>	Surfactant, 13mL S LS (makes 1 US Gallon of solution) required for B101.3 testing
<b>GT2710</b>	Reference strip surface (wet and dry test)



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

