

Troxler Dual WheelTracker



***The Most Widely Used Hamburg
Wheel-Track Tester in the World***

Features	Benefits
Balluff Linear Variable Differential Transformer (LVDT) Transducer	<ul style="list-style-type: none"> Supplies robust and accurate rut depth measurements Works with the index plate to generate root-mean-square error (RMSE) values significantly below AASHTO standards for rut depth measurements
Index Plate	<ul style="list-style-type: none"> Provides laser accuracy for location of rut depth measurements Works with the Balluff LVDT transducer to generate RMSE values significantly below AASHTO standards for rut depth measurement
Variable-Speed Motor and Slider-Crank Mechanism	<ul style="list-style-type: none"> Generates RMSE values significantly below AASHTO standards for sinusoidal motion Lasts longer than a Scotch yoke mechanism
Temperature Control from 77°F to 158°F (25°C to 70°C)	Allows testing at a variety of temperatures
TroxLift™	<ul style="list-style-type: none"> Is easy to use Provides a compact lifting method
TroxSafe™	<ul style="list-style-type: none"> Stops the machine quickly to prevent injury Rapidly resets and allows testing to continue

Additional Features

- The machine's stainless steel construction is durable and noncorrosive.
- Its double heating units warm up quickly (saving time) and successfully maintain the test's temperature.
- The laptop computer is easy to use for data retrieval.
- The unit operates quietly and doesn't add excess noise to high-stress working environments.
- The easy-access tank and trays allow for trouble-free cleaning.

Measurement Information	
US Standards	AASHTO T324 (current and proposed)
Rut Depth Measurement	0 to 1.57 in (0 to 40 mm)
Water Temperature	59°F to 158°F (15°C to 70°C)
Wheel Dimensions (D x W)	7.99 x 1.85 in (203 x 47 mm)
Wheel Weight	158.5 lb (71.89 kg) ±1
Wheel Speed	36 to 60 passes per minute (PPM)
Measurement Location	Eleven equally spaced positions over 9 in (228.6 mm)
Measurement Frequency	<4,000 passes = every 20 passes ≥4,000 passes = every 50 passes
Real-Time Display	Temperature, maximum rut depth, speed, test duration, rut profile
Data Output	<ul style="list-style-type: none"> • Rut depth profiles at eleven positions • Maximum rut depth (single location or average of center five positions) • Stripping inflection point (SIP) creep slope • Stripping slope • Temperature • Customizable test reports • Failure depths • Number of passes at failure
Model Options	
Dimensions (L x W x H)	64 x 54 x 56.5 in (162.56 x 137.16 x 143.51 cm)
Weight	1,500 lb (680.39 kg)
Motor	2 hp
Electrical	Three-phase
Operational Requirements	
Water	Must comply with US Environmental Protection Agency (EPA) drinking water standards
Drain	≤14 in (355.6 mm) from floor
Air	90 to 120 psi
Electrical	208/230 VAC 50 to 60 Hz

Made in USA



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