Brand: Ranger
Model: DST64T
SKU: 5140240
Description: Digital Wheel Balancer with DataWand™ Entry

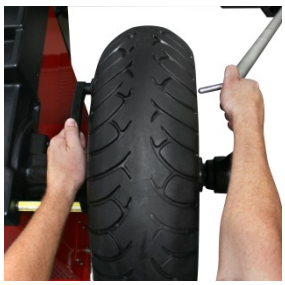
The Ranger DST64T is a premium wheel balancer that delivers the fastest floor-to-floor times in the industry and features the industry's best balancing technology. A full list of time saving features include dynamic, static, and multiple performance alloy settings allowing you to balance OEM wheel configurations and performance wheels with minimal effort and speed. Proprietary Drive-Check™ technology simulates driving speed conditions and measures computer-generated imbalance of the wheel assembly automatically. Dual-component load sensors combined with a digital rotation encoder quickly calculate the exact weight necessary and precise location to achieve an optimal balance for virtually every tire and wheel combination that rolls in your shop. A revolutionary DataWand™ and inner data set arm allows you to quickly and automatically enter wheel parameter settings in less than three seconds; wheel diameter, wheel width, offset distance and targeted weight placement positioning for exact balancing every time. Like all Ranger wheel balancers, the DST64T is grade built for perfectly balanced wheels day after day, around the clock.

FEATURES:

Drive-Check™ Technology

The DST64T's Drive-Check technology dramatically improves rotational measuring typically used to diagnose and repair ride disturbance complications. The highly precise DST64T performs a computer generated driving simulation then checks and measures the tire/wheel assembly for imbalance and possible runout of the rim and tire. With the DST64T, virtually all possible complaints due to rotational imbalance are eliminated before the wheel is mounted on the vehicle.

Automatic Wheel Data Entry

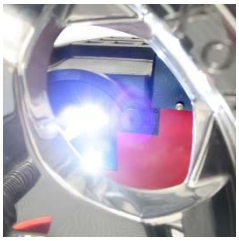


Our revolutionary DataWand™ and inner data set arm allows you to quickly and automatically enter all wheel parameter settings in less than three seconds; wheel diameter, wheel width, offset distance and targeted weight placement positioning for exact balancing every time. The parameter values are automatically entered into the wheel balancer by a single simultaneous maneuver of the extendible and storable DataWand and inner data set arm reducing set-up times and eliminating opportunities for human error. The DataWand also features a built-in tape weight holder that aids with tape weight placement and positioning at precise locations.

User-Friendly Controls

A soft-touch key pad and display panel features tire and wheel graphics to help simplify speed entry of wheel data and helps guide technicians through balancing procedures. Operator function keys are labeled with simple, easy-to-read icons helping operators identify and command all balancing functions. Bright LED weight placement indicators and an audible alarm identify exact weight positions as the wheel is gently rolled to exact top-dead-center. Tiered weight placement indicators help identify out-of-sight weight placement such as split-weight or hidden "behind-the-spoke" techniques.

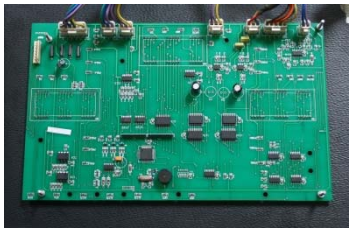
Inner Wheel Target Lighting
The DST64T incorporates a brightly displayed light-emitting diode (LED) inner wheel target light that automatically illuminates the interior of the rim and helps identify the exact weight placement location. Auto-activates each time the wheel restraint pedal is depressed.



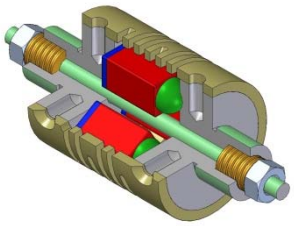
Multi-directional anti-glare control panel
In order to minimize sunlight glare and increase user productivity the DST64T features a multi-directional control panel and anti-glare surface that improves touch screen readability. Easy horizontal and vertical adjustment of the control panel minimizes glare and reflections from overhead lights, windows, and other light sources. In addition to multi-angle positioning, the DST64T control panel features a screen surface that causes light to diffuse and reflect for better visibility.

Quick and Precise Set-Up
Multi-size center cones, rear mounting spring and a full rubber perimeter no-mar “Quick-Nut” bell adapter makes mounting wheels fast and easy and minimizes the risk of costly wheel damage.

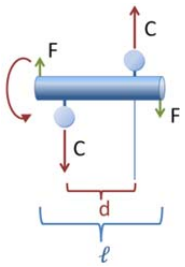
Highly Precise Digital Sensor Technology
Our highly accurate Digital Sensor Technology features 64-bit architecture and single-chip technology for unprecedented speed and accuracy - especially when using sophisticated balance and weight placement techniques required for newer high-tech OEM and aftermarket wheels. Single-chip 64-bit architecture provides improved stability and accuracy along with greater application speed and data processing while using less hardware. By reducing hardware, service and maintenance costs are reduced and equipment life cycle is increased. An extremely fast dedicated hyper transport protocol allows data to communicate with the micro-processor at much faster speeds resulting in lower power consumption, reduced heat and increased stability and accuracy.



Multi-directional quartz piezoelectric load sensors
The DST64T uses highly precise dual-component piezoelectric quartz load sensors combined with a single digital rotation encoder that measure both longitudinal, transversal, and shear effects for multi-directional force unbalance detection. The piezoelectric force sensors used on the DST64T are very sensitive and offer long-term stability and freedom from fatigue for a service life that is virtually unlimited. The high rigidity quartz crystal sensors result in very high frequency detection in all three directions of measurement.



Weight Optimization
The DST64T automatically calculates the minimum amount of weight needed to achieve an optimal balance for the tire and wheel configuration so you use less weight which adds up to real savings and increases your bottom line.



Standard Accessories and Mounting Cone Package
The DST64T tooling package not only includes our standard car and light truck cones, but a medium-duty truck cone as well. This well-equipped four-piece cone set includes the following sizes; [1.75”-2.75”], [2.75”-3.50”], [3.50”-4.25”] and [4.25” - 5.12”]. Other standard accessories include; wheel caliper, weight hammer, rear mounting spring, Quick-Nut, Quick-Nut bell adapter and a specialty calibration weight.

VALUABLE TIME-SAVING OPTIONS

No More Heavy Lifting

Our optional RWL-350 wheel lift makes light work out of heavy lifting by servicing large, oversize truck and custom wheels that usually require extra effort on part of the technician. The optional RWL-350 pneumatic wheel lift helps technicians mount wheels effortlessly on the balancer, preventing potential injuries and fatigue from manually lifting heavy wheels. The lever-controlled wheel lift quickly raises the wheel and a bearing mounted slider positions them for easy mounting. One handed operation means the technician's free hand remains able to control the wheel assembly once it is lifted into the mounting position. The portable wheel lift handles wheels up to 350 pounds and takes up minimal space around the balancer.

Flange Plate Kit

Essential for the more precise balancing, this adjustable multi-position flange plate kit includes centering pin adapters to fit most import and domestic car and light truck lug-bolt patterns. The specially designed lug-bolt adapters balance wheels far more accurately than a cone can do by itself, resulting in a smooth, vibration free drive. Includes flange plate kit and measuring caliper.

FEATURES:

- An ergonomic control board with soft-touch keys and easy-to-read LED display improve efficiency and proper balancing techniques for faster floor-to-floor times.
- Highly precise 64-bit architecture and single-chip technology.
- Precision DataWand™ and inner data set arm allows you to quickly and automatically enter all wheel parameter settings in less than three seconds.
- Serpentine poly-V belt features a polyester-aramid fiber composite core to resist degradation of functional performance under extreme operating conditions. Poly-V belt mates perfectly with motor and spindle sheave for continuous tension and distribution.
- (1) Dynamic, (2) static, (1) standard alloy and variable alloy setting that enables you to select the exact weight placement location you choose for the specific wheel being serviced. Easily configured with the simple push of a button for a variety of wheel styles and designs.
- Automatic rolling wheel parameter setting feature saves valuable time and minimizes errors.
- Low RPM balancing speed and rapid six-second cycle time.
- Automatic braking
- Gram/ounce selection and millimeter/inch selection
- An audible alarm and brightly displayed LED's identify exact weight amounts and precise positioning for perfect balancing.
- Tiered weight placement indicators help identify out-of-sight position weight placement such as split-weight or hidden "behind-the-spoke" techniques.
- Wheel restraint pedal secures wheels at precisely 12-o'clock for easier servicing and proper weight placement.
- LED inner wheel target light automatically illuminates the interior of the rim and helps identify the exact weight placement location. Auto-activates each time the wheel restraint pedal is depressed.
- Manual or automatic start when hood is lowered
- Self calibration function
- High-volume top weight tray and side shelf storage gives you room to inventory a wide variety of wheel weights and tools.
- Precision-machined, hardened-steel 36-mm shaft (ACME thread 30-degree 3-P).
- Quick-release hub nut for dramatically reduced set-up times
- Side cone storage pegs keeps mounting cones readily available
- Open-sided hood design allows for a broader coverage of tire shapes and sizes

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MODEL DST64T SPECIFICATIONS	
Motor	1.5 HP, 208-230V, 50/60HZ 1Ph.
Working Temperature	-5C / 27F to 50C / 82F
Drive System	Serpentine Poly-V belt
Cycle time	6-12 seconds (avg.) Depending on Wheel
Balancing Modes	1 Dynamic / 2 Static / Multi-Variable Alloy
Top Positioning Weight Locator	Standard
Inside & Outside Measuring	Standard
Millimeter / Inches Selection	Standard
Ounce / Gram Selection	Standard
Hidden Weight Function	Standard
Match Mount Function	Standard
Wheel Offset Distance Data Entry	Automatic
Wheel Diameter Data Entry	Automatic
Wheel Width Data Entry	Automatic
Self-Calibration Function	Standard
Auto Start When Hood is Lowered	Auto Start or Manual Start
Wheel Spin Braking	Automatic / Pulse Electronic
Wheel Restraint Pedal	Standard
Centering Cones Included	3 Auto & Light Truck / 1 Medium Truck
Wheel Calipers	Standard
Rear Cone Mount Spring	Standard
No-Mar Rear Cone Mount Pressure Cup	Standard
Quick-Release & Mount Hub Nut	Standard
Maximum Tire Diameter	50" / 1270 mm
Max Tire Weight	150 pounds (68 kg)
Max. Wheel Diameter	10” - 30" / 254 - 762 mm
Wheel Width Capacity	1.5" - 20" / 38 mm - 508 mm
Balancing Increments	0.25 or 0.01 ounce
Balancing Speed	180 RPM
Accuracy	+- .5 Gram / .025 Oz.
Resolution (Round Off Mode)	5 Gram / .25 Oz.
Shipping Weight	498 pounds / 226 kg.
Unit Dimensions / Width – Depth - Height	[46” 1168 mm] [31” 787 mm] [56” 1422 mm]
Space Required / Width – Depth - Height	[60” 1524 mm] [50” 1270 mm] [60” 1524 mm]