



AB28

Wheel Balancer

SKU# 5140352

The APEX™ AB28 is built for professional shops that need consistent, vibration-free balance results, without paying for features that don't add real value. Designed as a dependable, no-nonsense wheel balancer, the **AB28** delivers commercial-grade accuracy, fast cycle times, and long-term reliability at a price point that makes sense for budget-conscious operations.

Capable of handling wheels up to 44 inches in diameter, the **AB28** is well suited for everything from passenger vehicles and light trucks to performance and specialty wheels. Backed by BendPak's engineering expertise and support infrastructure, it's a dependable balancing solution for one-bay shops, tire dealers, and high-volume service centers alike.

Precision That Delivers Every Time

At the heart of the **AB28** is **APEX™** Digital Sensor Technology – engineered to deliver repeatable, accurate balance results down to hundredths of an ounce. Its direct-axis drive system ensures true, vibration-free rotation, allowing technicians to confidently balance today's OEM and aftermarket wheel designs with minimal rework.

In a fast seven-second cycle, the **AB28** calculates the precise amount and placement of corrective weight. Bright LED indicators guide technicians directly to the correct position, reducing guesswork and speeding up workflow.

Advanced Digital Sensor Technology

The **AB28** uses an advanced digital signal processor paired with single-chip circuit architecture to improve processing speed, accuracy, and reliability. This design reduces latency, minimizes heat buildup, and increases long-term component life – critical advantages in high-use shop environments.

By consolidating processing into a single-chip platform, the **AB28** achieves faster data throughput and more stable measurement results, especially when performing advanced balancing techniques required for modern alloy and performance wheels.

Multi-Directional Load Sensing

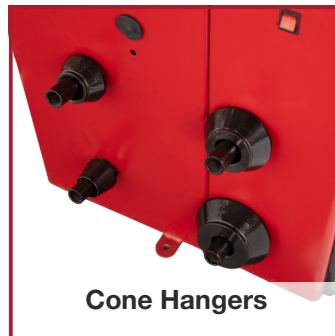
High-precision quartz piezoelectric load sensors measure imbalance forces in multiple directions, allowing the **AB28** to detect longitudinal, transverse, and shear forces simultaneously. These sensors offer exceptional sensitivity, long-term stability, and resistance to fatigue, resulting in consistent accuracy over years of daily use.

The rigid quartz sensor design enables high-frequency detection across all measurement axes, improving balance accuracy for challenging wheel and tire assemblies.



Designed for Speed & Ease of Use

- **Quick, Damage-Free Wheel Mounting** – A full cone set and rubber-lined no-mar Quick-Nut system make wheel mounting fast and secure while helping protect expensive wheels from damage.
- **Comprehensive Mounting Cone Package** – Includes three automotive and light-truck cones (1.75"–2.75", 2.75"–3.50", 3.50"–4.25") plus a larger truck cone (4.50"–5.00") and spacer ring to handle a wide range of hub sizes.
- **Weight Optimization** – The **AB28** automatically calculates the minimum weight needed for proper balance, reducing weight usage, lowering consumable costs, and improving overall efficiency.
- **Graphic User Interface** – The intuitive touch-pad interface displays wheel and tire graphics that guide technicians through data entry and balance procedures quickly and accurately.
- **LED Rolling Weight Placement Indicators** – Bright LED indicators guide technicians as the wheel is rotated to top-dead-center, simplifying clip-on and tape-weight placement. Tiered indicators assist with split-weight and behind-the-spoke applications for clean, OEM-style results.



Everything You Need to Get Up and Balancing Right Out of the Box.

The **APEX™ AB28** ships with a complete professional accessory package, eliminating the need for immediate add-ons or upgrades. From a full cone kit and BendPak-backed Quick-Nut system to essential measuring tools and service hardware, each included component is selected to maximize accuracy, efficiency, and wheel protection.

It's a turnkey balancing solution designed to minimize setup time, streamline daily operation, and deliver confident results from day one – another example of how **APEX™** and BendPak focus on real-world shop value.

What's Included

- Calibration Weight
- Four-Piece Cone Kit (4 Cone)
- Truck-Cone Spacer Ring
- Quick-Nut System
- Quick Nut
- Quick Nut Cup
- Quick Nut Protective Cover
- Wheel Width Caliper
- Weight Removal Tool
- Weight Hammer / Pliers
- Allen Wrench
- Back Spring
- Anchor Bolts (M8 x 100 mm)

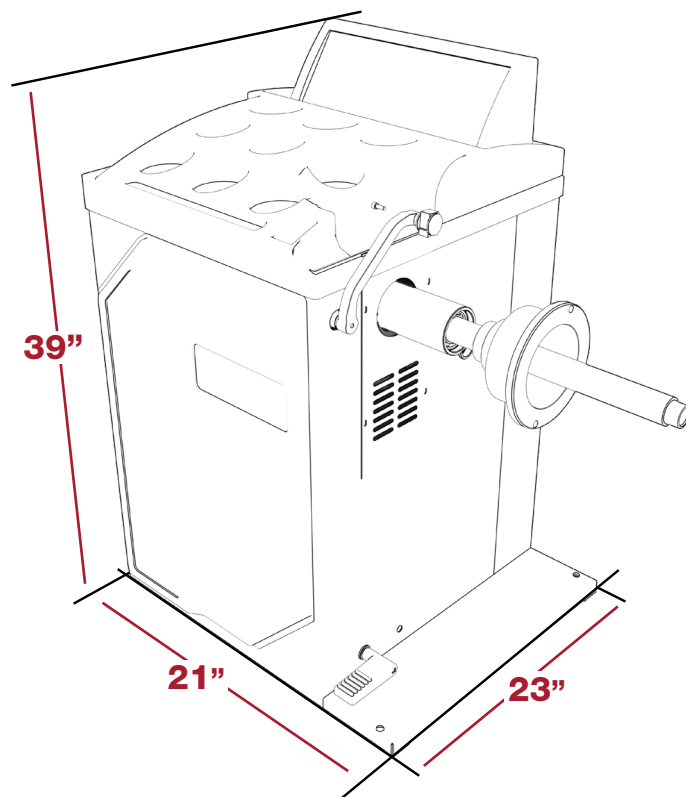
Features at a Glance

- 1** Commercial-grade digital wheel balancer designed for daily shop use
 - Backed by BendPak engineering and support
- 2** Advanced Digital Sensor Technology for fast, repeatable balance accuracy
- 3** Multi-directional quartz piezoelectric load sensors for precise imbalance detection
- 4** Direct-axis drive system for smooth, vibration-free rotation
 - Fast seven-second balancing cycle improves workflow and throughput
 - Handles wheels up to 44" in diameter for passenger, light truck, and performance vehicles
 - Automatic weight optimization reduces weight usage and operating costs
- 5** LED rolling weight placement indicators guide precise clip-on and tape-weight placement
- 6** Static, dynamic, and performance alloy (ALU) balance modes
- 7** Graphic user interface with intuitive wheel and tire icons
 - Automatic braking after balance cycle complete
- 8** No-mar Quick-Nut system for fast, damage-resistant wheel mounting
- 9** Precision-machined 36 mm hardened steel shaft
 - Full cone and spacer kit included for a wide range of hub sizes
 - Self-calibration function maintains long-term accuracy
- 10** Large top tray and side storage for weights and tools



SPECIFICATIONS

Voltage	115-230V, 50/60Hz, 1Ph.*
Cycle Time (avg. seconds)	7
Balancing Modes	Dynamic / Static / Alloy / 1 Hidden
Self Calibration Function	Standard
Wheel Spin Braking	Automatic / Electronic Resistor
Wheel Holding/Restraint Device	Pedal
Cones Included	3 Standard / 1 Truck
Tire Diameter	44" / 1,118 mm
Max Wheel Weight	145 pounds (66 Kg)
Wheel Diameter Min - Max	12" - 28" / 305 mm - 712 mm
Wheel Width Min - Max	4" - 15" / 102mm - 381mm
Balancing Increments	0.25 ounce / 5 gm
Rotational Speed	260 RPM
Accuracy	.035 Oz. / ± 1 gm
Noise	<50 dB



*Note: Standard electrical configurations shown. Additional voltage options available upon request.

Optional Productivity Accessories

Pneumatic Wheel Lift (Optional)

SKU 5150593

Simplifies handling heavy truck and custom wheels, reducing technician fatigue and risk of injury. Smooth one-handed operation raises and positions wheels quickly for mounting.



Motorcycle Shaft Kit (Optional)

SKU 5150320

Universal clamp kit accommodates Harley-Davidson, Japanese, and European motorcycle wheels with hub widths up to 9-1/2". Installs quickly on the 36 mm shaft.



Flange Plate Kit (Optional)

SKU 5150020

Multi-position flange plate with lug-bolt adapters provides greater centering accuracy than cones alone – ideal for vibration-sensitive vehicles and performance applications.

