



## 433-HA

---

### HEADLIGHT TESTER

The Headlight Aimer 433-HA is a state-of-the-art tool designed to meet the latest U.S. regulations for automotive lighting. It is versatile enough to handle a variety of light sources, including Halogen, Xenon, and LED, ensuring it can accommodate the needs of virtually any vehicle.

This device is particularly suited for advanced lighting systems, such as Dynamic Light Assistance, Intelligent Light System (ILS), and Matrix technologies. It offers comprehensive support for adjusting high beams, low beams, and fog lights, making it an all-encompassing solution for modern automotive lighting requirements.

Beyond its wide compatibility and support for advanced technologies, the 433-HA is engineered with the user in mind. It features a touchscreen monitor for easy operation, a rechargeable battery for portability, a built-in printer for

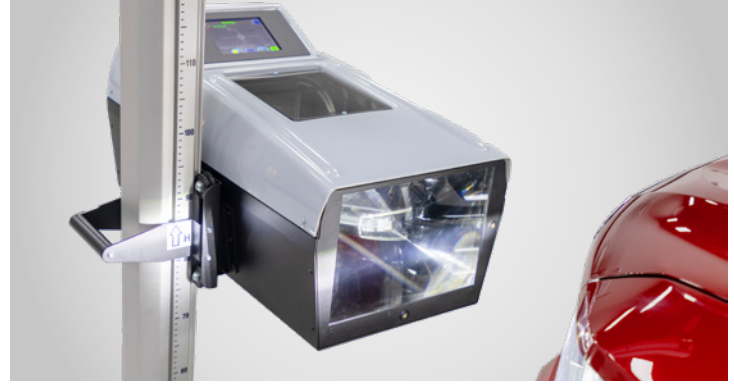
immediate documentation, an electronic level for precision, and multi-bay functionality to enhance efficiency in busy workshops.

These user-friendly features underscore its role as an indispensable, versatile tool for any automotive service provider looking to offer top-notch service in headlight aiming and maintenance. It is suitable for motorcycles, passenger cars, vans, trucks, and buses, making it universally applicable for a wide range of automotive service needs.

# 433-HA

## HEADLIGHT TESTER

### MAIN FEATURES



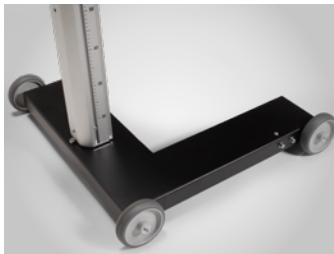
### Optical unit

- Advanced Optical Technology:** Its large Fresnel lens, shielded by glass, provides an optimal solution for accurately adjusting larger and more complex headlights.
- Precision and Convenience:** An electronic spirit level automatically detects and compensates for slope, ensuring precise measurements.
- Protection and Maintenance:** A dust cover safeguards the device when not in use, prolonging its lifespan and maintaining its accuracy.
- Robust and Aesthetic Design:** It is constructed from black powder-coated steel encased in thermoformed plastic, offering durability and a sleek appearance.



### Column / Base

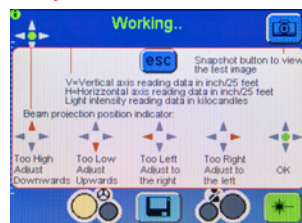
- Durable Construction:** Crafted from a robust alloy material, the column is lightweight, easy to adjust, and exceptionally rigid for long-lasting performance.
- Precision Alignment:** The column can rotate  $\pm 5^\circ$ , allowing for fine-tuned adjustment to ensure precise and reliable alignment.
- Measurement Convenience:** Equipped with scales in both inches and millimeters, the column provides versatile measurement options that comply with international standards.
- Versatile Base Design:** The base, equipped with three wheels, offers excellent mobility and stability, adaptable to various floor types for different workshop environments.
- User-Friendly Adjustments:** The base features knurled knobs, simplifying the level adjustment and enhancing the overall user experience.



### Software

- User-Friendly Interface:** Includes a 5.7" touchscreen display, capable of rotating  $180^\circ$  for optimal viewing.
- Battery-operated** for maximum portability, it supports all-day use on a single charge.
- An onboard printer** allows for immediate documentation of the results.
- User-Friendly Operation:** Real-time readings ensure immediate feedback and adjustments.
- Help function** is available to assist the operator, making the device accessible to users of all skill levels.

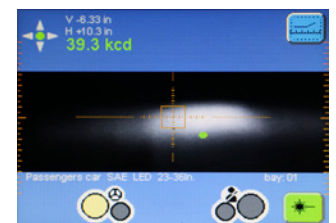
### Help function



### Onboard printer



### User-friendly operation



### Cross / Alignment laser



- Cross Laser for Precision:** Features a cross laser for correct centering of the beam source, ideal for adjusting larger and more complex reflectors and projectors. Operates within laser class 2 for professional safety.
- Enhanced Alignment Precision:** The alignment laser line enhances visibility and accuracy during headlight alignment, ensuring straight-forward and precise adjustments. Operates within laser class 2, underscoring its commitment to professional safety.



Snap-on® Total Shop Solutions offers a wide range of garage equipment solutions for workshops, garages, car dealers and tire shops, thanks to the specific solutions provided by its portfolio of premium brands. Cartec® is a brand of TSS and is committed to product innovation and improvement. Therefore, specifications listed in this sell sheet may change without notice.

©2024 Snap-on Incorporated. Cartec is a trademark, registered in the United States and other countries, of Snap-on Incorporated. All rights reserved. All other marks are marks of their respective holders.

