



Fast and precise:
Digital headlamp testing
with **Bosch HTD 815**



BOSCH

Invented for life

Intelligent, fast and precise:

Digital headlamp testing HTD 815



Ergonomic and fast use on the vehicle – suitable for all types of light sources (xenon, LED, halogen)

The Bosch HTD 815 is an intelligent CMOS camera headlamp adjustment device for inspection of all common headlight systems. It has an automatic program guide for the inspection and manual functions for the individual adjustments. The design is ruggedly constructed for use in the workshop and enables ergonomic operation. The HTD 815 is very fast due to the easy design and optimized image processing. It is highly accurate through high-quality optics and laser technology.

Application advantages of HTD 815 at a glance

- ▶ All types of light sources: filament, halogen, xenon and LED.
- ▶ All types of vehicles: cars, motorcycles, trucks, commercial vehicles
- ▶ Adjustment of all beam-types: headlight, fog lights, additional lights
- ▶ Digital evaluation (digital image processing)
- ▶ High quality glass lens: scratch-resistant and easy to clean

- ▶ High mechanical stability of all system elements provide consistent precise values
- ▶ Light yet durable base ensures easy and faithful transverse movement between the headlights.
- ▶ Recess for motorcycle front wheels
- ▶ Tilt safety (4 wheels)
- ▶ 3-wheel trolley for perfect levelling at the test area
- ▶ Device column: low friction rotation on bush bearings
- ▶ Lightweight design (only 28 kg)
- ▶ Plastic housing saves overall weight. The injection mould is CAD optimized (finite element method).
- ▶ Maintenance free and quadruple mounted guiding system. Steel cable and rollers are covered and handle protected for the operator.
- ▶ Battery operation
- ▶ Rail system available as an optional accessory

TÜV certified by examination in accordance with Directive for testing headlamp adjustment test equipment (Germany, StVZO § 50 paragraph 5).



Rotatable display by 180 degrees



Interactive and intuitive color touch display and understandable icons for fast measurement

HTD 815: Precision through Optics & Laser

The accuracy of HTD 815 at the headlight adjustment is achieved by the quality system elements:

- ▶ CMOS Camera for faster image processing (higher resolution and frame rates)
- ▶ Glass lens with 230 mm diameter
- ▶ Laser-visor for accurate alignment of the light box to the vehicle helps in the absence of distinctive chassis points, and explicit even in poor light conditions.
- ▶ Cross laser for the alignment of the light box to the headlight projection unit or the lamp (especially helpful for LED and xenon)
- ▶ Sensor for automatic height measurement is available as an optional accessory.

Part Numbers:

HTD 815 with printer (RAL 6018; green) 1 692 104 326
 HTD 815 with printer (RAL 7016; anthracite) 1 692 104 327

Accessories:

3m rails (above floor and below floor mounting version) 1 692 105 080
 Height measuring sensor for automatic definition of the headlight installation height (2nd quarter/2015) 1 692 105 066
 Cover (i.e. for dust protection) 1 692 105 079

Measuring range		
Orientation	Top and bottom	0%–6% (0–600 mm)
	Right and left	
	Low beam	0%–10% (0–1,000 mm)
	High beam	0%–10% (0–1,000 mm)
Intensity	Candela	0–150 000
Illumination	Lux/1 m	0–150 000
	Lux/25 m	0–240

Units	
Intensity	Candela
Illumination	Lux/1 m; Lux/25 m
Adjustment	%-cm-°

Operating conditions	
Adjustment lens centre (mm)	240–1,450 mm
Plug voltage	100–240 V/50–60 Hz
Battery voltage	12 V
Operating temperature (°C)	5–45

Packaging	
Width – Height – Length (mm)	1.790 – 700 – 650
Weight (kg)	28,5
Certificate	CE, TÜV

HTD 815: Easy, safe and fast usage

- ▶ The HTD 815 evaluates with real time data processing. The tolerances and results are presented digitally live by a LCD screen. Accuracy: 10 meters measuring distance +/- 1cm
- ▶ 5.7" large interactive digital touch screen display with 262,000 brilliant colors
- ▶ Live image display (with cross symbol)
- ▶ The measurement results appear together with evaluation of: horizontal deviation, vertical deviation (pitch angle), intensity, roll angle and yaw angle
- ▶ Through reconstruction the display unit can be rotated by 180 degrees
- ▶ Easy user guidance for the review and adjustment process with self-explanatory operating steps and easily understandable symbols
- ▶ Comfortable height adjustment and effortless operation with one hand
- ▶ Automatic self-locking over the measuring range of 24–145 cm
- ▶ 360 degrees operation: all around ergonomic
- ▶ User interface in 7 languages
- ▶ Dust and splash proof
- ▶ Easy to clean



Levelable wheel-base



Ergonomic use



Optional rail system



Integrated printer

Technical changes and program modifications are reserved

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Your address for genuine Bosch quality:



For more information:
www.headlighttester.com



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