



**Fast and reliable:**  
Electronic headlamp testing  
with **HTD 615** from Bosch



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# User-guided, fast and reliable

## Electronic headlamp testing HTD 615

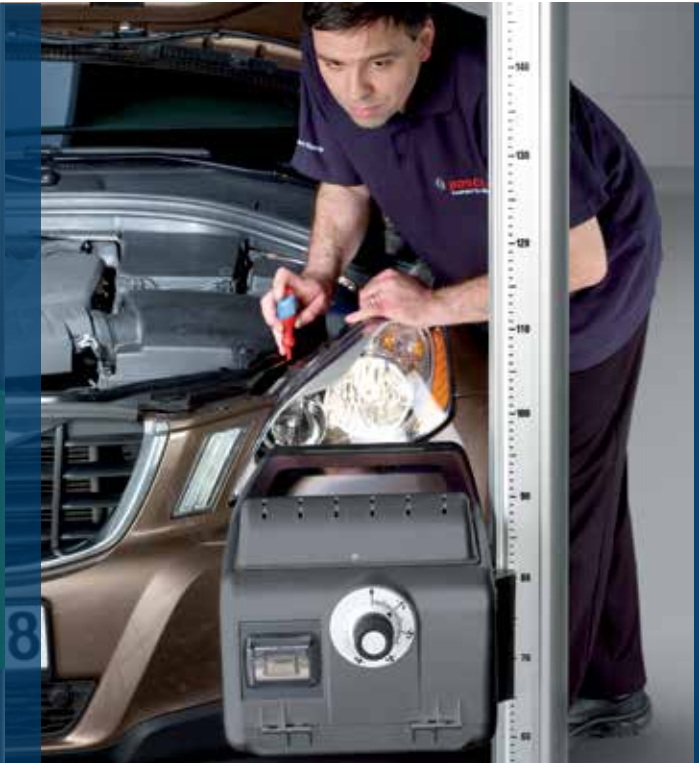


Integrated printer for documentation of test results even without PC connection

The Bosch HTD 615 is a photodiode headlamp adjustment device for reliable monitoring and evaluation of all common headlight systems. The test procedure is user-guided with visual and acoustic signals. Special functions support the adjustment. The design is ruggedly constructed for use in the workshop and enables ergonomic operation. The adjustment is reliable with laser technology and fast microcontroller.

### Application advantages of HTD 615 at a glance

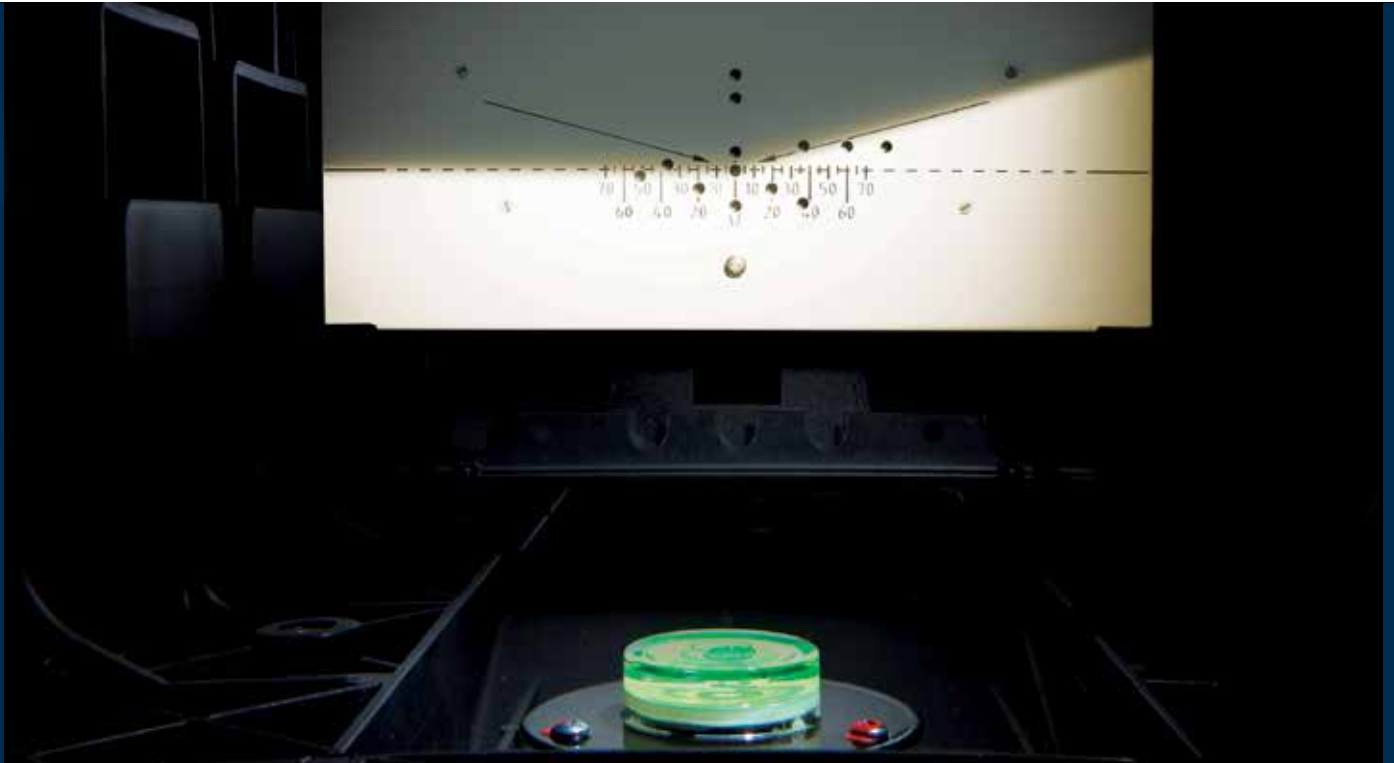
- ▶ All types of light sources: filament, halogen, xenon and LED.
- ▶ All types of vehicles: cars, motorcycles, trucks, commercial vehicles
- ▶ Adjustment of all beam-types: headlight, fog lights, additional lights
- ▶ Electronic analysis with precise light-sensitive photodiodes
- ▶ High quality glass lens: scratch-resistant, easy to clean



Ergonomic use on the vehicle – rotatable display by 180 degrees

- ▶ 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).**



Evaluation by photodiode

### HTD 615: Precision through Optics & Laser

The accuracy of HTD 615 at the headlight adjustment is achieved by the quality system elements:

- ▶ Photo diodes: light-sensitive diodes allow a clear and precise analysis through optimized software.
- ▶ 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

#### Part Numbers:

HTD 615 with printer (RAL 6018; green) 1 692 104 324

#### 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 (2<sup>nd</sup> quarter/2015) 1 692 105 066

Cover (i.e. for dust protection) 1 692 105 079

Measuring range		
Orientation	Top and bottom	+2%– -4% (+200– -400 mm)
	Right and left	
Intensity	Low beam	+3%– -3% (+300– -300 mm)
	High beam	+0,5%– -3% (+50– -300 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 615: Fast and safe testing of Headlamps

- ▶ The HTD 615 evaluates the cut-off line with photodiodes in real time. The tolerances and results are presented visually by a lit LED cross symbol and acoustically as well. Accuracy: 10 meters measuring distance +/- 1 cm
- ▶ Two-line LCD display (backlit, alphanumeric)
- ▶ Test results appear right after evaluation
- ▶ 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 light 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 10 languages
- ▶ Dust and splash proof
- ▶ Easy to clean



Technical changes and program modifications are reserved



EN 2 HTD 615 215

Your address for genuine Bosch quality:



For more information:  
[www.headlighttester.com](http://www.headlighttester.com)



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