

Model: NHD-8101 Headlight Tester



General Description

NHD-8101 Headlight Tester is for testing the luminous intensity, light height and optic deviation of the headlight of automotive and motorcycle. It is equipped with Chinese or English LCD display, standard RS-232C interface, analog data output interface and battery-operated in low power consumption mode. Assembly and disassembly are fast, it is very easy to move.

With the advantages of easy operation and accurate measurement, it is suitable for use in vehicle inspection stations and mobile inspection lines for headlight inspection. It is also suitable for use in vehicle repairing and maintenance shops for adjusting and testing the illumination position of the headlight beams.

Provide auxiliary angular calibration to headlight testers. (The instrument automatically indicates the adjustment direction of the headlight tester)

Main Technical Specifications

◆ Measuring Range:

Central Height of Headlight: 50cm ~ 135cm

Luminous Intensity: 0 ~ 120,000cd

Deviation of Optical Axis:

Left and right: Left 2° 30' ~ Right 2° 30'

(Left 40cm/10m ~ Right 40cm/10m)

Up and Down: Up 1° 30' ~ Down 2° 30'

(Up 20cm/10m ~ Down 40cm/10m)

◆ Indication Error:

Luminous Intensity of high- beam : $\pm 12\%$

Central Height of Headlight: $\pm 1\text{cm}$

Optical Deviation: 12'

◆ Power Source:

AC 220V $\pm 10\%$, 50 $\pm 1\text{Hz}$ or 1 DC9V battery

/ 6 DC1.5V batteries (for laser)

◆ Power consumption: <2W (for the complete set)

◆ Weight: about 30kg

◆ Guide Rail: 100mm X 3000mm (length)

◆ Outer Dimension:

605mm (Width) X 1600mm (height) X 595mm (Width)