

# Luminoscope®

## EXPERT

PLA 35

### THE PREMIUM HEADLAMP TESTER

The Luminoscope® EXPERT (PLA 35) is a high-tech, electronic headlamp setter used in both vehicle inspection test centres and workshops.



*Tool holder (optional)*

This headlamp beam setter is a direct by-product of our industrial devices and meets the high precision requirements set by car manufacturers. With the Luminoscope® EXPERT you can check low beams, high beams and fog lights, and it works with all types of lights: xenon, halogen, bi-elliptical, LED and Matrix LED.

### FEATURES

- | Algorithms for testing/setting ECE, SAE and Japanese headlights (low beams, high beams and fog lights) of all types xenon, halogen, bi-elliptical, LED and Matrix LED
- | Unique measuring algorithm that can identify the headlight type and can thus be used with all makes and types of headlights
- | User-friendly, 7" touch screen for ease-of-use and visualisation of the light/dark limit (cut-off line) on the projection
- | Exceptionally short start up and cycle times
- | Smart camera (developed in-house) for real time visualisation of the headlamp during aiming
- | Remote control of the device from a smartphone, a tablet and a PC via VNC
- | Software updates with the latest headlight profiles are free
- | Unique position control system centres the Luminoscope® in front of the light beam
- | Compatible with left hand and right hand drive (LHD/RHD) vehicles
- | Sturdy alignment mirror (with optional 110° green line laser with timer function) for alignment in reference to the vehicle
- | Headlight aiming device on double rails, single rail or on rubber wheels
- | Floor inclination adjustable for each test zone (to compensate for vehicle inclination)
- | Extra-large lens (27.5 x 18.0 centimetres) concentrates light rays without optical distortion
- | Rotating column for the perpendicular alignment of the optical box in relation to the vehicle
- | WiFi, USB, Bluetooth®, RS232, Ethernet (optional), HDMI (optional) for communications with other devices
- | Rechargeable battery (charger included)
- | Optional ergonomic lever to facilitate adjusting the mirror and the line laser
- | Optional 15" touch screen on the column
- | Optional tool holder

### TECHNICAL SPECIFICATIONS

MEASURING RANGE	230 – 1500 mm
MEASURING TOLERANCE	± 1 cm/10m (0,1%)
MEASURING PRECISION	1 mm/10m (0,01%)
LUMINOUS INTENSITY MEASUREMENT	0 – 250 kcd
DIMENSIONS	695x670x1820 mm
WEIGHT	≈ 50 kg
SUPPLY VOLTAGE	12 VDC (≥ 3 A)
CONNECTIVITY	WiFi, USB, Bluetooth®, RS232, Ethernet (optional), HDMI (optional)
VARIANTS	Double Rail (DR), Single Rail (SR), No Rail (NR)
OPTIONS	Line laser (110°) with timer function, ergonomic lever, tool holder, 15" touch screen on the column, protective cover



Made in Belgium

