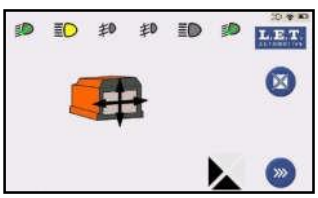
L.E.T. AUTOMOTIVE n.v. Vaartlaan 20 B-9800 Deinze
Luminoscope®

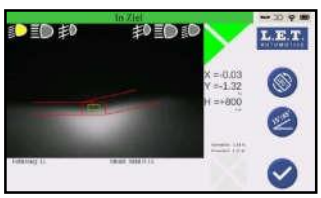
ISO 9001 CERTIFIED VINÇOTTE

Tel : +32 9 381 87 87 Email : info@let.be Website : www.let.be

LUMINOSCOPE® SAM 2035

- Technical specifications -





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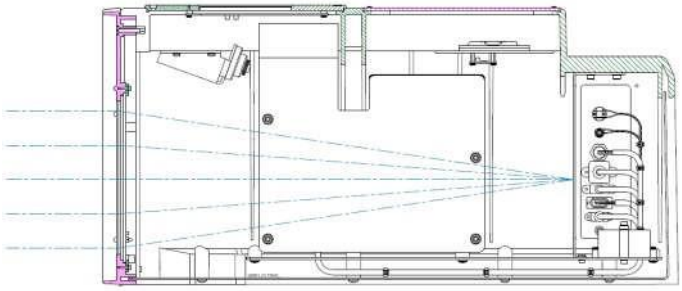
General specifications:

- ✓ Digital headlamp aiming and testing device, based on a micro PC and an intelligent CMOS camera with the latest technology on image processing.
- ✓ Full-automatic positioning on floor mount rails.
- ✓ Automatic height and left/right detection of each headlamp by using a light detection bar on the mast and search zones.
- ✓ Algorithms for aiming / testing of ECE and SAE head- and fog lamps in LHD and RHD version. Suitable for halogen, xenon and (modulated) LED headlamps.
- ✓ Precise measurement of the beam direction (pitch and yaw angle).
- ✓ Large Fresnell lens.
- ✓ Unique electronic Position Check system for the correct centering of the LUMINOSCOPE® in front of the light bundle.
- ✓ Operation panel with 7" colour touch screen with easy to understand icons. Live visualisation of the headlamp image and indication of cut-off line position and preprogrammed target.
- ✓ Separate password protected menu structure for setting of a wide variety of parameters, such as headlamp inclination; tolerances;…
- ✓ Saving headlamp images in extensive internal memory or transfer via WIFI or LAN network.
- ✓ TWIN configuration (master / slave) possible.



Communication possibilities and connectors:

- ✓ WIFI; LAN; Bluetooth and RS232 interface for transfer of test results to a PC.
- ✓ USB port for easy upgrading or connection of a USB keyboard.
- ✓ HDMI port for optional additional screen.

Additional safety features optional:

- ✓ Lamp tower on top with green and red light.
- ✓ Audio signal, beeping when system is moving.
- ✓ Large emergency stop button.

Heavy Duty floor mount rails:

- ✓ Double heavy duty rail guiding system, each with a U shaped profile (to be poured in a concrete floor), with a hexagonal and a square rail.
- ✓ The rail can be adjusted to maintain and guarantee a perfectly horizontal movement of the LUMINOSCOPE® SAM 2035 across the bay.
- ✓ The rail system is of great importance for the accuracy of the testing results and to compensate for discrepancies of the concrete floor.

Technical Data:

<table>
<tr><td colspan="2">Testing range:
Below: 0 – 100 cm/10m
Above: 0 – 100 cm/10m
Left: 0 – 100 cm/10m
Right: 0 – 100 cm/10m</td><td>Vertical positioning range: 300 (center of lens above the floor) – 1200 mm</td></tr>
<tr><td colspan="2"></td><td>Vertical measuring range: 200 – 1300 mm</td></tr>
<tr><td colspan="2"></td><td>Dimensions (WxHxD): 600x1805x720 mm</td></tr>
<tr><td colspan="2"></td><td>Weight: ± 75 kg</td></tr>
<tr><td colspan="2"></td><td>Measuring tolerance: ± 1 cm/10m (0,1%)</td></tr>
<tr><td>Luminous intensity:</td><td>0 – 125 kcd</td><td>Measuring resolution: 1 mm/10m (0,01%)</td></tr>
<tr><td>Power supply:</td><td>24VDC</td><td>UPS: Battery in optical unit is used as UPS</td></tr>
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