Technical datasheet

MES — Multi-cell benches for automobile production

Instantly measure the photometric control points of your lighting and signaling products and check the normative criteria in ALPES, with a cell layout defined according to your tests.



A defined bench around your control points.

- Measurement of control points and verification of instantaneous normative criteria.
- Number and location of cells adapted to the control plan.
- Optical architecture allowing installation at a reduced distance depending on the configuration.
- Management of test stages and analysis of results in ALPES.
- Integration of colorimetry to be studied according to the expected sensors and measurements.

How does the MES multicell bench work?

Fixed photometric detectors are positioned at the points specified in the product's inspection plan. The bench measures all selected points in a single acquisition, and ALPES compares the results with the configured criteria.

- MES-L · Placed between the product and the detectors, the projection lens reproduces the conditions of a photometric measurement at 25 m for lighting (headlamps). The measurement distance inside the bench is approximately 1.5 m. · Bench dimensions (length × width × height) · 2.70 × 1.74 × 1.85 m
- MES-S · Placed between the product and the detectors, the projection lens reproduces the conditions of a photometric measurement at 10 m for signaling (signal lamps). The measurement distance inside the bench is approximately 1.5 m. · Bench dimensions (length × width × height) · 2.70 × 1.75 × 1.90 m