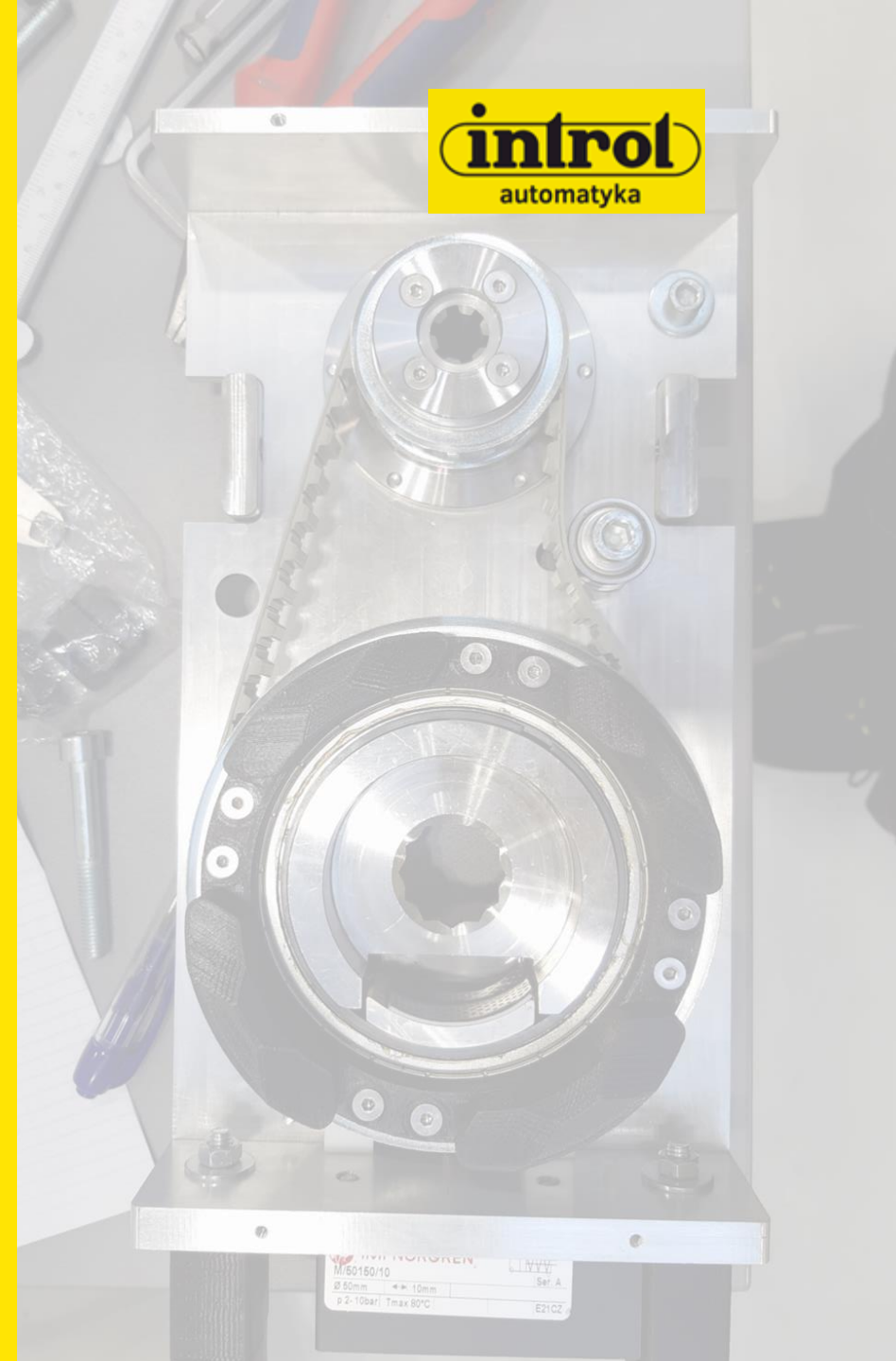


Stand for measuring the light intensity of kitchen hoods

The stand was created in accordance with PN-EN 61591, and its task is to test the light intensity of hoods. The stand is dedicated to testing household appliances. The main element of the stand is the darkroom, where the tests take place. On the outside, the darkroom has been equipped with an operator's station with a computer controlling the course of the test.

Inside the test chamber is a table with light meters. Above the table, an adjustable hood rack system is mounted to accommodate all types of hoods. Above the hood, two kitchen cabinets have been mounted on a guide rail to mimic standard kitchen decor. Thanks to the layout of the guide rail and the rollers on which the cabinets are suspended, it is possible to smoothly adjust the spacing of the furniture. The stand is equipped with a package of connection sockets in all standards, so that it is possible to test household appliances that go to customers not only in Poland and Europe, but also around the world.

Above that, the stand is equipped with a mobile cabinet, which contains a power supply and a power meter. This gives the possibility to measure the power consumption of the hood. The application allows you to measure the signal from the lux meters, make the necessary calculations and generate a test report.



The test is carried out in the following stages:

- extending the supports to the desired size,
- positioning the hood on the supports,
- connecting the hood to the electrical grid and activating its lighting,
- sliding the cabinets to the hood,
- lowering the measurement chamber and closing the door,
- launching the measurement application,
- generating the test report.

