



## APPLICATIONS

The Photorefractor was developed by Prof. Frank Schaeffel at the University of Tübingen in Germany and is already being used by numerous labs world-wide. Based on the analysis of retinal reflection, this device automatically and conveniently measures the visual acuity of laboratory animals after one-time calibration. The main field of application of this survey method is myopia research.

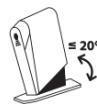
## ADVANTAGES

- Fast experiments due to fully automated analysis after one-time calibration
- No training of animal required
- Non-invasive in vivo and alert testing
- No experimenter biases
- For various smaller animals (e.g., guinea pigs, rats, mice)
- Comes with convenient storage/transport suitcase

## SPECIFICATIONS

### Photorefractor:

- Height 28 cm, Length 26 cm, Width 8 cm
- Can be tilted in steps, max. 20° tilt is possible



### Platform:

- Height 22 cm, Length 14 / 8 cm, Width 9 / 6 cm
- consists of several levels, height can be adjusted



### Equipment & Data Acquisition:

- 115 Hz data acquisition over USB 3
- Linearly light sensitive sensor for precise data
- Data is continuously recorded; given as mean  $\pm$  s.d. over 10 measures each
- Only compatible with Windows