



Keratometer

Measurement of Corneal Curvature

APPLICATIONS

The Keratometer 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 measuring a reflective radius on the eye's ocular surface, this device makes it easy to collect reliable data on corneal curvature. The main field of application of this survey method is myopia research.

ADVANTAGES

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

SPECIFICATIONS

Keratometer:

- Height Ring 38.5 cm, diagonal distance of LED bulbs 30 cm, Height total max. 90 cm
- Consisting of camera, tripod and light wreath



Equipment & Data Acquisition:

- 87 Hz data acquisition over USB 2
- Measurement precision is 99%
- Data given as mean \pm s.d. over 60 measures in 1 s