



OCULUS
HMC ANOMALOSCOPE



OCULUS HEIDELBERG MULTI C

Multi-color Anomaloscope for diagnosis of color vision

Summary

The HMC (*Heidelberg Multi Color*) Anomaloscope is a microprocessor – controlled device for precision diagnosis of color vision in the red/green area (*Rayleigh equation*). An advanced version allows next to the red/green diagnosis also the blue/green diagnosis (*Moreland equation*). Both devices examine with integrated automatic neutral adaptation.

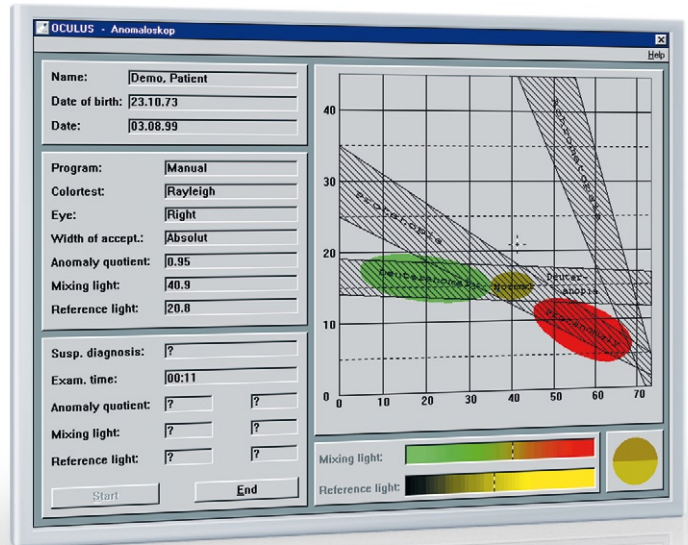
High-quality technology and electronics from Oculus in the elegantly styled design are signs of quality in every respect. Special consideration was given during development to ergonomic design for both, the patient and the examiner.



COLOR ANOMALOSCOPE

The Features in Detail

- Red/green with the Rayleigh equation
- Blue/green with the Moreland equation
- The HMC Anomaloscope meets the latest requirements of DIN-Norm No. 6160
- Suitable for color vision tests in compliance with ordinances regulating the issuance of drivers licenses
- Adjustable automatic neutral adaptation (comparable to a standard "C" light source) during observation of the test field
- Observation of the test field with a standard angle of 2°
- Technical principle: color adaptation in the unit is based on the principle of additive mixing of colors
- Ergonomic design: an inclinable tube permits optimum, non-fatiguing viewing
- The control knobs are arranged analogously to the test field, thus simplifying allocation



→ Evaluation software (here with the Rayleigh equation)

The Anomaloscope and its Software

The HMC Anomaloscope comes with a comprehensive software module (Windows™-compatible) and a serial interface cable to communicate with a PC or laptop. This gives you the possibility of storing and incorporating patient data and examination results as well as comparing them. This software can also be integrated into conventional software modules in the physician's private practice.

The Anomaloscope and the Control Unit

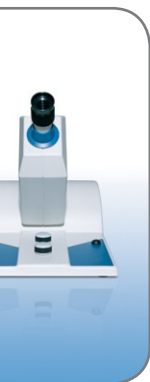
In addition to the basic equipment of the HMC Anomaloscope including the testing unit with its adjustable hinged tube you can order a control unit with display. The program dialogue takes place via keyboard and a 4-line display (LCD). Operation of the unit is uncomplicated and easy to understand. The quotient of anomaly



Technical Data – HMC Anomaloscope

Examination settings and color presentation wavelengths acc. to DIN 6160.	
Mains supply	115 or 230V AC, 50 to 60 Hz, 30VA
Weight	Approx. 12.13 lbs (5.5 kg) without accessories
Interface	RS 232/V24, Dub D-jack, 9-pole
Neutral adaptation	White light, comparable to standard "C" light source (6750K)
Test field	Viewing angle 2°, horizontally split, created by two Ulbricht spheres for high homogeneity
Diopter compensation	±6D
Angle of view	35° to 55° (adjustable)
Dimensions	9.65" x 14.02" x 12.40" – 16.14" (WxDxH) (245 x 356 x 315 – 410 mm)
Color vision tests used	
HMC-Anomaloskop (MR), Order #47700	Red-green color vision test acc. to Rayleigh Blue-green color vision test acc. to Moreland
HMC-Anomaloskop (R), Order #47720	Red-green color vision test acc. to Rayleigh
Control unit with display (optional)	
Dimensions	3.23" x 5.98" x 1.77" (WxDxH) (82 x 152 x 45 mm)

CE According to Medical Device Directive 93/42/EEC



WWW.OCULUS.DE



Oculus is certified by TÜV according to
DIN EN ISO 13485:2003/DIN EN ISO 9001:2000

OCULUS Optikgeräte GmbH

Postfach • 35549 Wetzlar • GERMANY
Tel. +49-641-2005-0 • Fax +49-641-2005-295
E-Mail: export@oculus.de • www.oculus.de

OCULUS Inc., USA

#112 • 2125 196th Street SW • Lynnwood • WA 98036
Toll free 1-888-284-8004 • Fax +1-425-670-0742
E-Mail: sales@oculususa.com • www.oculususa.com