

HDR-7000

Optical Refractometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Functions And Characteristics:

- Simple and flexible PD-adjustment, also monocular
- Convergence feature for near vision testing
- Automatic LED illumination for near vision testing
- Adjustable Color-LC-Display with touch screen (swivelling and inclinable)
- Interactive menu operation
- clear operating display
- Programmable refraction procedure
- HELP-function
- Clear presentation of the results, also as a graphic
- Thermal printer integrated in the control panel
- Connectable with all lensmeters and auto refractometers
- Tests linked with the fitting filter lenses
- 18 visual acuity test charts with snellen letters, letters, numbers, and characters for kids and illiterates
- 6 Anaglyphic tests (red-green)
- 7 polarized tests
- All in all 26 monocular or binocular tests

►► Technical Data:

Sph	:	-19,00 dpt to +16,75 dpt
Steps	:	0,12/0,25/1,00/2,00/3,00/4,00 dpt
Cyl	:	-8,75 dpt to +8,75 dpt
Steps	:	0,12/0,25/1,00/2,00/3,00/ dpt
Axis	:	0° to 180°
Steps	:	1/5/15°
PD	:	48-80 mm
Prism	:	0-20 cm/m (steps: 0,1/0,2/0,5/1,0/2,0 cm/m)
Cylinder	:	Cross cylinder $\pm 0,25$ dpt, $\pm 0,50$ dpt, dual cross cylinder $\pm 0,25$ dpt
Retinoscope	:	+1,50 dpt/+2,00dpt (measurement distance: 67 cm/50 cm)

►► **Additional Lenses:**

- Cover plate
- pinhole aperture 2 mm
- Maddox: right horizontal, left vertical
- red/green filter
- polarizing filter circular
- Gräfe prism
- centering cross
- Sph. fine adjustment with cross cylinder ($\pm 0,50$ dpt)

- **Measures Phoropter:**

(WxHxD): 361x280x108 mm

Weight: 4,74 kg

- **Measures Control Panel:**

(WxHxD): 216x225x246 mm

Weight: 1,89 kg

- **Measures Junction Box:**

(WxHxD): 251x71x240 mm

Weight: 1,8 kg

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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