



# UDR 800

## DIGITALIZED REFRACTOR



**Brilliantly Conceived & Beautifully Crafted**

## UDR 800

### DIGITAL REFRACTOR FEATURES

#### Eco-friendly & Design using antibacterial material

- Reduced Body Size**
- Faster Restarting Time**
- Faster Speed of Lens Change**
- Reduced Operating Noise**

#### 8.0 inch Full-colored Touch LCD Panel

- It could serve clear distinct UI so that it may serve high resolution graphic.
- Realize UI with various images and distinguish the condition of Operation Panel and data by serving various colours. (Locking system function, Hmssoft, Auxoff function, External data representation and Touch masking function, etc.)

#### Minimized number of buttons



- 26-button and simply touch to operate easily.

#### Short cut key button for often used functions

- Operating test data through jog Dial. (SPH, CYL, AXIS, ADD, VA, PRISM, etc)
- Menu selection through jog Dial.
- Additional functions and data value selection through jog Dial.
- Shortcut key button function.

#### Perfect Interface with Ref/Keratometer, Chart Projector, Refractor, LCD projector and Lens Meter

- It could serve receiving Data from URK-700 & URK-800 and saving DB.
- It could be connected with A, B, C and D type of ACP-700 including ULC-800 (UDR-700 could be connected only with A type of ACP-700)

#### Monocular PD measurement

- Worldwide Various Chart Support
- LCD Monitor Tilting function and Screen reversal function
- Embedded printer
- Help and Real-time Guide function
- It could serve upgrading program and A/S functions by USB port

#### Simple GUI for User Convenience (Various Vision Test Function Offer)



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#### Networking System

Efficient data transmission among a series of UNICOS Brands.

#### Measuring Range

Spherical Lens	-29.00 ~ +26.75D (For general lens) -19.00 ~ +16.75D (For Lucas cylinder & Prism lens) (Step 0.12D / 0.25D / 0.5D / 1D / 2D / 3D)
Cylinder Lens	0.00 ~ 8.75D (Step 0.25D / 0.5D / 1D / 2D / 3D)
Cylinder Axis	0 ~ 180° (Step 1 / 5 / 15 / 30 / 45°)
Pupli Distance	Far 48 ~ 80 mm (Step 0.5 / 1.0 mm) Near 45 ~ 75 mm (Step 0.5 / 1.0 mm)
Working Distance	35 ~ 70 cm (Step 5 cm)
Rotary Prism	0 ~ 20 Δ (Step 0.1 Δ / 0.2 Δ / 0.5 Δ / 1 Δ / 2 Δ)
Cross Cylinder	Jackson Cross Cylinder ± 0.25D Dual Cross Cylinder ± 0.50D
Retinoscopy Lens	+1.5D ~ +2.0D (Test Distance 07cm, 50cm)

#### Specifications

Body	362 (W) × 82 (D) × 299 (H), 3.5Kg
Controller	215 (W) × 230 (D) × 226 (H), 1.5Kg
Junction Box	295 (W) × 65 (D) × 239 (H), 1.0Kg
Power Supply	AC: 100 ~ 240V, 50/60Hz
Power Consumption	90VA

#### Auxiliar Lens

Open / Close Lens	
Pin Hole Lens	Φ 1mm
Moodbox Rod	Right Eye (Horizontal red), Left Eye (Vertical red)
Red / Green Filter	Right Eye (Red), Left Eye (Green)
Polarized Light Filter	Right Eye (135°, 45°), Left Eye (45°, 135°)
Separating Prism	Right Eye (R.A.BU) Left Eye (L.O.BI can be added to 0~5Δ.)

#### PD Test Lens

Fixed Cross Cylinder Lens	Jackson Cross Cylinder ± 0.05D, Axis fixation 90°
Vision Degrees	32°

Designs and details can be changed without prior notice for its improvements.

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