



Innovative  
Ophthalmology  
Solutions

Huvitz Auto Tono Refractometer  
Keratometer & Pachymeter

# HTR-1A



**Huvitz** Re:define, Re\*create



# HTR-1A

## Huvitz Auto Tono Refractometer Keratometer & Pachymeter

|               |                        |                                                                                                       |
|---------------|------------------------|-------------------------------------------------------------------------------------------------------|
| Topometry     | IOP Range              | 1~60 mmHg, APC 30 / 60                                                                                |
|               | Measurement increment  | 1 / 0.1 mmHg                                                                                          |
| Pachymetry    | IOP Compensation       | Pachymetry Funtion                                                                                    |
|               | CCT Visualization      | NA                                                                                                    |
|               | CCT Measurement Range  | 300~800 um                                                                                            |
|               | Measurement increment  | 1 um                                                                                                  |
| Refractometry | Vertex Distance (VD)   | 0.0, 12.0, 13.75, 15.0                                                                                |
|               | Sphere (SPH)           | -30.00~+25.00D (VD=12mm) (Increments : 0.01, 0.12, 0.25D)                                             |
|               | Cylinder (CYL)         | 0.00~±12.00D (Increments : 0.01, 0.12, 0.25D)                                                         |
|               | Axis (AX)              | 0~180°(1°unit)                                                                                        |
|               | Astigmatism Indication | -, +,± (Mixed)                                                                                        |
|               | Pupil Distance (PD)    | 10~85mm                                                                                               |
|               | Minimum Pupil Diameter | Ø2.0mm                                                                                                |
| Keratometry   | Radius of Curvature    | 5.0~13.0mm (Increments : 0.01mm steps)                                                                |
|               | Refractive Power       | 25.96D~67.50D (Increments : 0.05, 0.12, 0.25D)<br>(When cornea equivalent refractive index is 1.3375) |
|               | Cylinder               | 0.00~±12.00D                                                                                          |
|               | Axis                   | 0~180° (Increments : 1° / 5°steps)                                                                    |
|               | Pupil, Iris Diameter   | 2.0~14.0mm (Increments : 0.1mm)                                                                       |
| Others        | Auto Function          | 3D Auto Tracking / Auto Shooting                                                                      |
|               | Working Distance       | 11 mm(NT Mode)                                                                                        |
|               | Type                   | Full Auto                                                                                             |
|               | Alignment Mode         | Full Auto / Auto / Manual                                                                             |
|               | Joystick               | X, Y, Z Axis                                                                                          |
|               | Display                | 7 inch Wide Color TFT LCD Resistive Touch Panel                                                       |
|               | Interface              | USB, RS-232C, LAN, Wifi                                                                               |
|               | Internal Printer       | Thermal Line Printer /Auto Cutting                                                                    |
|               | Power Supply           | 100~240VAC, 1.0~0.6A, 50/60Hz                                                                         |
|               | Dimensions / Weight    | 301(W) X 535(D) X 506(H)mm / 23.8kg                                                                   |



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