

UD-800

Ultrasonic A/B Scanner and Pachymeter

The B-scanner, Biometer, Pachymeter and A-diagnostic – all in one. The UD-800 was developed to satisfy all your expectations and requirements. Features such as the new generation of annular array probe, high-resolution touch-screen operation, and data communication via USB or LAN makes this device easy to handle and fast and efficient in operation. Simply choose all your desired features! With its unique 10 MHz 2-ring array B-scan probe and A-scan biometry probe, the UD-800 is a fantastic choice as your basic tool.



Excellent features

- + Modular configurable system
- + External database (USB flash drive)
- + Unique 2-ring array 10 MHz B-probe
- + Biometer A-scan 10 MHz (optional)
- + Pachymetry (optional)
- + UBM 40 MHz B-probe (optional)
- + A-diagnostic probe (optional)

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Specifications

10 MHZ B-MODE (IMAGE DISPLAY)	
Frame rate	Basic mode: 20 frame/sec
Image display range	Standard: 35.2 mm/52° (at ultrasound velocity = 1550 m/sec) Wide: 48.0 mm/52° (at ultrasound velocity = 1550 m/sec)
Display resolution	Lateral accuracy: 0.6 mm Axial accuracy: 0.6 mm
10 MHZ B-PROBE	
Transducer type	2-ring
Scan type	Sector scanning
Acoustic lines	131 lines (step by 0.4°)
AXIAL LENGTH MEASUREMENT (BIOMETRY)	
Axial length	15.00-45.00 mm
ACD	1.80-7.00 mm
Lens thickness	2.00-6.00 mm
Measurement accuracy	±0.1 mm
Measurement resolution	0.01 mm
IOL POWER CALCULATION	
IOL power calculation	Haigis standard, Haigis optimised, Hoffer® Q, Holladay 1, SRK II, SRK/T, SRK SHOWA, Shammas-PL, SRK/T Double K
BIOMETRY PROBE	
Type	Solid state
Fixation light	Built in the probe, Red LED
Transducer frequency	10 MHz
Tip diameter	5.3 mm φ
Dimensions/Weight	8 mm φ × 100 mm/30 g
CORNEAL THICKNESS MEASUREMENT (PACHYMETRY)	
Measurement range	150 to 1,500 μm
Measurement accuracy	±5 μm
Measurement resolution	1 μm
PACHYMETRY PROBE	
Type	Solid state
Transducer frequency	20 MHz
Tip diameter	1.5 mm with an angle of 45°
Dimensions/Weight	8.8 mm φ × 90 mm/40 g
A-SCAN DIAGNOSTIC	
Measurement range	60 mm
A-SCAN DIAGNOSTIC PROBE	
Type	Solid state
Transducer frequency	10 MHz
Tip diameter	6.0 mm φ
Dimensions/Weight	8 mm φ × 100 mm/30 g
DIMENSIONS AND ELECTRICAL REQUIREMENTS	
Dimensions WDH	310 x 214 x 326 mm
Weight	6 kg
Voltage	100 VAC to 240 VAC
Frequency	50/60 Hz
Power consumption	120 VA
Display	TFT LCD 10.4" colour touch screen

