



Palm-AR/Palm-ARK Specifications

Measuring Unit		Station Unit	
PALM-AR & PALM-ARK FUNCTIONS		Printer	Thermal line (print speed: 1"/s)
MEASURABLE RANGE		Paper Width	2", roll paper
Sphere Power (S)	-20.00D to +20.00D (V.D.=12mm)	Transmission System	Infrared (IR) interface
Cylinder Power (C)	0 to ±12.00D	Interface	RS-232C
Cylinder Axis (A)	0 to 180°	Battery	Lithium-ion (7.4V/1600mAh)
STEP		Battery Charge	Mounted in the station, about 120 to 150 min. (The measuring unit can be used during charging. Charge by mounting the battery in the measuring unit which is connected via the special cable.)
Sphere Power (S)	0.12D / 0.25D	Power Source	Input: AC100/120V ±10%; 50/60Hz AC200/240V ±10%; 50/60Hz 50VA
Cylinder Power (C)	0.12D / 0.25D	Power Consumption	
Cylinder Axis (A)	1° / 5°	DIMENSIONS AND WEIGHT	
Cylinder Mode	-, +, Mix	Station Alone	10"(w) x 8.7"(d) x 4"(h); 5.5 lbs.
Vertex Distance	0, 10.5, 12, 13.75, 15, 16.5mm	Station & Measuring Unit	11"(w) x 8.7"(d) x 8.5"(h); 8 lbs.
Measurable Minimum Pupil Diameter	2.6mm	Printout	Y/M/D of measurement, measuring time, patient number; vertex distance; measured value of refractive power (AR measurement); measured value of corneal curvature; contact lens conversion value; SE value; optimum value of trial lens; eye print
Removal of Accommodation	Auto fogging	Interface	Complies with RS232C standard
ADDITIONAL PALM-ARK FUNCTIONS		Standard Accessories	4 fuses (two for station; spare fuses are mounted in the spare fuse holders inside the printer cover of the station), 4 rolls printer paper (one for station), power cord, dust cover, battery, connecting cord, hand strap, neck strap, operator's manual
CORNEAL RADIUS OF CURVATURE (R1, R2, AVE)		Optional Accessories	Carrying case, portable stand
Measurable Range	5.00 to 10.00mm		
Step	0.01mm		
REFRACTIVE POWER (R1, R2, AVE)			
Measurable Range	25.96D to 67.50D (n=1.3375)		
Step	0.12D / 0.25D		
Refractive Index	n=1.3375 / 1.336 / 1.332		
CORNEAL ASTIGMATISM (CYL)			
Measurable Range	0 to ±12.00D		
Step	0.12D / 0.25D		
CORNEAL AXIS (AXIS)			
Measurable Range	0° to 180°		
Step	1° / 5°		
KM Measurable Area	3.3mm diameter on cornea (for corneal curvature radius of 7.7mm)		
Measurement Time	AR 0.2 sec. KM 0.1 sec.		
Chart	Scenery chart		
Observation	2.5" color LCD monitor		
Auto Start	Measurement starts automatically when alignment and focusing are achieved properly.		
Designation of Left/Right Side	Auto/Manual		
Axis Correction	Auto selection (90°)		
Dimensions & Weight	5.5"(w) x 5"(d) x 8"(h); about 35 ounces (including battery)		



Lightweight, hand-held unit makes automatic readings easy to acquire.



The Palm-AR/Palm-ARK is manufactured by Nidek for Marco.

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ARK-730A



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