

Caretaker4[®] Technical Specifications Datasheet

PHYSICAL SPECIFICATIONS	
Dimensions	3.4 cm x 6.4 cm 9.6 cm
Weight	198 g
OPERATING & STORAGE CONDITIONS	
Storage Temperature	-20°C – +70°C
Operating Temperature	0°C – +40°C
Humidity (Relative, Non-Condensing)	0 – 95%
Operating/Storage Pressure	70 – 101 kPa
Operating/Storage Elevation	0 – 3000 Meters
Operating System Pressure	-10 mmHG – +250 mmHg
Infection Control	Wipe with Super Sani-Cloth or other disinfectant wipe
Liquid Ingress Rating	IP52
MEDICAL PARAMETER MEASUREMENT RANGES	
Heart Rate Range	30 – 200 bpm
Heart Rate Resolution	1 bpm
Heart Rate Accuracy	+/- 3 bpm
Heart Rate Averaging	10 Second Moving Average
Continuous Non-Invasive Blood Pressure Method Method (“CNIBP”)	Pulse Decomposition Analysis (“PDA”)
CNIBP Systolic	80 – 250 mmHg
CNIBP Diastolic Range	50 – 150 mmHg
CNIBP MAP Range	60 – 185 mmHg
CNIBP Accuracy	+/- 5 mmHg, Std. dev. < 8 mmHg
CNIBP Calibration	Automatic (Oscillometric Sweep Via Finger Cuff) or Manual (User Input Parameters)
CNIBP Recalibration Update Interval	User Configurable
CNIBP Measurement Update Interval	User Configurable And Fixed Intervals (0 Seconds to 15 Minutes)
Respiration Range	6 – 32 Breaths/Minute
Respiration Accuracy	+/- 3 Breaths/Minute
Respiration Method	Proprietary PDA, IBI, Spectral Analysis
USER INTERFACE INFORMATION	
Integrated Liquid Crystal Display	128 x 128 Pixels
Clinical App Tablet Based Display	8” Diagonal LCD (Caretaker Provided Hardware)
Waveforms Displayed	Continuous Pulse Rate, Continuous Pulse Pressure, Individual Pulse Shape
Audible Alarms	None
BATTERY & CHARGING INFORMATION	
Battery Type & Certification	2000 mAh Lithium Polymer, UL Certified
Operating Time	12-16 Hours (Display On) / 24-26 Hours (Display Off)
Charging Time	2 – 4 Hours Using Provided Wall Charger
Charger Type & Certifications	5 vDC Barrel Jack, UL, IEC, EN, RCm, CCC, PSE
Charging Current & Voltage	150 – 400 mAh @ 5 – 12 vDC
COMMUNICATIONS	
Bluetooth Frequency	Bluetooth Low Energy (“BLE”), 2400 – 2483.5 MHz ISM Band
Bluetooth Communications Range	10 Meters (Line-Of-Sight) From Host/Display
Security Encryption	AES 128 Bit Encrypted Data Stream
DISPOSABLE FINGER CUFF & WRIST STRAP	
Finger Cuff Dimensions	3.8 mm x 14.2 mm
Finger Cuff Diameter Range	12 – 30 mm
Wrist Cuff Dimensions	346 mm x 38 mm
Cuff Materials	Hypoallergenic Polyurethane
Cuff Infection Control	Single Use Only, Dispose After Each Use