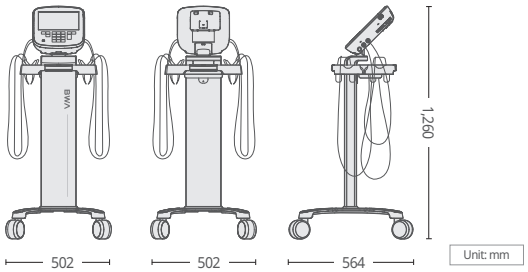
Specifications

BWA 2.0S Body Water Analyzer



Bioelectrical Impedance Analysis (BIA) Measurement Outputs	**Impedance (Z)**	30 Impedance Measurements by Using 6 Different Frequencies (5 kHz, 50 kHz, 250 kHz, 500 kHz, 1 MHz, 3 MHz) at Each of 5 Segments (Right Arm, Left Arm, Trunk, Right Leg and Left Leg)
	Phase Angle (Ø)	15 Phase Angle Measurements by Using 3 Different Frequencies (5 kHz, 50 kHz, 250 kHz) at Each of the 5 Segments (Right Arm, Left Arm, Trunk, Right Leg, and Left Leg)
	Z0, Z∞	At zero frequency, current does not pass through the cell membrane, so the impedance at this frequency reflects Extracellular Water. At infinite frequency, the current reflects both Intracellular and Extracellular Water.
Measurement Method	· Direct Segmental Multi-Frequency Bioelectrical Impedance Analysis (DSM-BIA) · Simultaneous Multi-Frequency Bioelectrical Impedance Analysis (SMF-BIA)	
Electrode Method	16-Point Clamp Electrodes	
Body Composition Calculation Method	No use of Empirical Estimation	
Types of Result Sheet	Body Water Result Sheet, Body Composition Result Sheet, Evaluation Result Sheet, Research Result Sheet, Comparison Result Sheet, Result Sheet for Children, and Thermal Result Sheet	
Digital Results	LCD Screen, LookinBody Web, LookinBody120	
Data Storage	Test results can be saved using the member ID. The InBody can save up to 100,000 results.	
Test Mode	Self Mode, Professional Mode	
Test Duration	About 30 seconds for Medical Mode, about 60 seconds for Research Mode	
Weight Range	2 - 250 kg (4.4 - 551.2 lb)	
Height Range	95 - 220 cm (3 ft 1.4 in - 7 ft 2.6 in)	
Age Range	3+ years	
Administrator Menu	· Setup: Settings Configuration and Data Management · FAQ: Additional Guidance for Using the InBody	
USB Thumb Drive	Copy, Back Up, or Restore the InBody Test Data (which can be viewed in Excel or with LookinBody data management software).	
Backup Data	Backup data from the device using an InBody USB or a USB thumb drive, and restore results as needed.	
Dimensions	322 (W) × 282 (L) × 81.5 (H): mm 12.7 (W) × 11.1 (L) × 3.2 (H): in	
Device Weight	2.8 kg (6.17 lb, BWA2.0S only)	
Applied Rating Current	300 μA (± 30 μA)	
Operation Environment	10 - 40 °C (50 - 104 °F), 30 - 75 % RH, 70 - 106 kPa	
Storage Environment	−10 - 70 °C (14 - 158 °F),10 - 80 % RH, 50 - 106 kPa (No Condensaiotn)	
Display Type	1280 x 800 10.1inch Color TFT LCD	
Internal Interface	Touchscreen, Keypad	
External Interface	RS-232C 4 EA, USB Host 2 EA, USB Slave 1 EA, LAN(10/100 T) 1 EA, Bluetooth 1 EA, Wi-Fi (2.4 G / 5 G) 1 EA	
Adapter	**DELTA** — Power Input: AC 100 - 240 V, 50 - 60 Hz, 1.5 A - 0.75 A; Power Output: DC 12 V ⎓ , 5.0 A	
	Mean Well (GSM 40A12) — Power Input: AC 100 - 240 V, 50 / 60 Hz, 1.0 A - 0.5 A; Power Output: DC 12 V ⎓ , 3.34 A	
Wireless Connection	Bluetooth, Wi-Fi	
Compatible Items	Stadiometer, Blood pressure monitor, Thermal Printer (TP100), Serial Distributor (SD400), InGrip, BWA2.0S Portable Case, BWA2.0S Adhesive Electrodes and Tape, BWA2.0S Battery Pack	
Compatible Printer	Laser/Inkjet PCL 3 or above and SPL	
Notification Sounds and Voice Guidance	Notification sounds (test in progress, saving settings, personal information, etc.) and voice guidance during the test	
Logo Display	Name, address, and contact information can be shown on the InBody Result Sheet.	
QR Code	By scanning QR Code, you can send and verify the InBody results	
Language Support	InBody supports over 30 languages.	

Outputs (InBody Result Sheet)	Results and Interpretations · Body Composition Analysis (Total Body Water, Protein, Mineral, Body Fat Mass, Fat Free Mass, Soft Lean Mass, Weight) · Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Soft Lean Mass, Body Fat Mass) · Obesity Analysis (Body Mass Index, Percent Body Fat) · Segmental Lean Analysis · ECW Ratio Analysis · Body Composition History (Weight, Skeletal Muscle Mass, Percent Body Fat, ECW Ratio) · InBody Score · Whole Body Phase Angle (History) · SMI (History) · Visceral Fat Area (Graph) · Body Type · Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control) · Nutrition Evaluation (Protein, Minerals, Body Fat) · Obesity Evaluation (BMI, Percent Body Fat) · Body Balance Evaluation (Upper, Lower, Upper-Lower) · Segmental Fat Analysis (Graph) · Segmental Fat Analysis · Body Water Composition (Total Body Water, Intracellular Water, Extracellular Water) · Segmental Body Water Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Segmental ICW Analysis · Segmental ECW Analysis	· Body Composition Analysis (Total Body Water, Protein, Mineral, Body Fat Mass, Fat Free Mass, Soft Lean Mass, Weight) · Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) · Obesity Analysis (Body Mass Index, Percent Body Fat) · Segmental Circumference · Waist-Hip Ratio (Graph) · Visceral Fat Level (Graph) · Water Contol · Research Parameters (Intracellular Water, Extracellular Water, Skeletal Muscle Mass, Fat Free Mass, Basal Metabolic Rate, Waist-Hip Ratio, Waist Circumference, Visceral Fat Level, Visceral Fat Area, Obesity Degree, Bone Mineral Content, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, TBW/FFM, FFMI, FMI, SMI, SMM/WT, ECM/BCM, TBW/WT, Adjusted FFM, Adjusted SMI,Recommended Calorie Intake per day) · Calorie Expenditure of Exercise · Sarcopenia Parameters (SMI, HGS) · Blood Pressure (Systolic, Diastolic, Pulse, Mean Artery Pressure, Pulse, Rate Pressure Device) · QR code · Results Interpretation QR code · Whole Body ECW Ratio · Segmental ECW Ratio · Whole Body Phase Angle (50 kHz) · Segmental Body Phase Angle · Bioelectrical Impedance Vector Analysis · Impedance(Z0, Z∞) · Impedance (Each segment and each frequency)
Outputs (InBody Result Sheet for Children)	Results and Interpretations · Body Composition Analysis (Total Body Water, Protein, Mineral, Body Fat Mass, Weight) · Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) · Obesity Analysis (Body Mass Index, Percent Body Fat) · Growth Graph (Height, Weight, BMI) · Body Composition History (Height, Weight, Skeletal Muscle Mass, Percent Body Fat) · Whole Body Phase Angle (History) · SMI (History) · Growth Score · Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control) · Nutrition Evaluation (Protein, Minerals, Body Fat) · Obesity Evaluation (BMI, Percent Body Fat) · Body Balance Evaluation (Upper, Lower, Upper-Lower)	· Segmental Lean Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Segmental Body Water Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Research Parameters (Intracellular Water, Extracellular Water, Skeletal Muscle Mass, Fat Free Mass, Basal Metabolic Rate, Child Obesity Degree, Bone Mineral Content, Body Cell Mass, FFMI, FMI, SMI, SMM/WT, ECM/BCM, TBW/WT) · Sarcopenia Parameters (SMI, HGS) · Blood Pressure (Systolic, Diastolic, Pulse, Mean Artery Pressure, Pulse, Rate Pressure Device) · QR code · Results Interpretation QR code · Whole Body Phase Angle (50 kHz) · Segmental Phase Angle (5 kHz, 50 kHz, 250 kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Impedance Graph (Each segment and each frequency)
Outputs (Body Water Result Sheet)	Results and Interpretations · Body Water Composition (Total Body Water, Intracellular Water, Extracellular Water) · ECW Ratio Analysis (ECW Ratio) · Segmental Body Water (Graph, Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Segmental ECW Ratio Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Body Water Composition History (Weight, Total Body Water, Intracellular Water, Extracellular Water, ECW Ratio) · InBody Score · Whole Body Phase Angle (History) · SMI (History) · Visceral Fat Area (Graph) · Body Type (Graph) · Weight Control · Nutrition Evaluation · Obesity Evaluation (BMI, Percent Body Fat) · Body Balance Evaluation · Segmental Fat Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Body Water Composition (Total Body Water, Intracellular Water, Extracellular Water) · Segmental Body Water Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Segmental ICW Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Segmental ECW Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg)	· Body Composition Analysis (Protein, Minerals, Body Fat Mass, Fat Free Mass, Bone Mineral Content) · Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Soft Lean Mass, Body Fat Mass) · Obesity Analysis (Body Mass Index, Percent Body Fat) · Segmental Circumference (Neck, Chest, Abdomen, Hip, Right Arm, Left Arm, Right Thigh, Left Thigh) · Waist-Hip Ratio (Graph) · Visceral Fat Level (Graph) · Water Contol · Research Parameters (Intracellular Water, Extracellular Water, Skeletal Muscle Mass, Fat Free Mass, Basal Metabolic Rate, Waist-Hip Ratio, Waist Circumference, Visceral Fat Level, Visceral Fat Area, Obesity Degree, Bone Mineral Content, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, TBW/FFM, FFMI, FMI, SMI, SMM/WT, ECM/BCM, TBW/WT, Adjusted FFM, Adjusted SMI, Recommended calorie intake per day) · Calorie Expenditure of Exercise · Sarcopenia Parameters (SMI, HGS) · Blood Pressure (Systolic, Diastolic, Pulse, Mean Artery Pressure, Pulse, Rate Pressure Device) · QR code · Results Interpretation QR code · Whole Body Phase Angle (50 kHz) · Segmental Phase Angle (5 kHz, 50 kHz, 250 kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · BIVA (Bioelectrical Impedance Vector Analysis) · Impedance (Z0, Z∞) · Impedance (Each segment and each frequency)
Outputs (Evaluation Result Sheet)	· Bioelectrical Impedance Vector Analysis (BIVA) · Whole Body Phase Angle_50 kHz (PhA, Ø) (M ± SD, Percentile Graph) · Segmental Phase Angle_50 kHz (PhA, Ø) Balance · Whole Body ECW Ratio (ECW/TBW) (M ± SD, Percentile Graph) · ECW Ratio Balance (ECW/TBW) · TBW/WT (%) (M ± SD, Percentile Graph) · Percent Body Fat (PBF, %) (M ± SD, Percentile Graph) · Skeletal Muscle Mass and ECW Ratio (SMM, % & ECW/TBW) · Skeletal Muscle mass Index and ECW Ratio (SMI, kg/m² & ECW/TBW) · Skeletal Muscle mass Index (SMI, kg/m²) (M ± SD, Percentile Graph)	· Fat Free Mass Index (FFMI, kg/m²) (M ± SD, Percentile Graph) · Lean Mass (LM) Balance · Fat Mass Index (FMI, kg/m²) (M ± SD, Percentile Graph) · Skeletal Muscle Mass divided by WT (SMM/WT, %) (M ± SD, Percentile Graph) · Visceral Fat Area (VFA, cm²) (M ± SD, Percentile Graph) · Waist Hip Ratio (WHR) (M ± SD, Percentile Graph) · Weight (kg) (M ± SD, Percentile Graph) · Body Mass Index (BMI, kg/m²) (M ± SD, Percentile Graph) · Body Cell Mass (BCM, kg) (M ± SD, Percentile Graph) · ECM/BCM (M ± SD, Percentile Graph) · Outer Circumference (cm)
Outputs (Research Result Sheet)	· Body Composition Summary (Fat Free Mass, Fat Mass, Intracellular Water, Extracellular Water, Total Body Water, ECW/TBW: Whole Body, Right Arm, Left Arm, Trunk, Right Leg, Left Leg, Whole Body Weight) · Body Composition Analysis (Lean Mass, ICW, ECW, Fat Mass, ECW/TBW): Whole Body, Right Arm, Left Arm, Trunk, Right Leg, Left Leg	· Research Parameters (BMI, Percent Body Fat, Skeletal Muscle Mass, Soft Lean Mass, Protein, Minerals, Bone Mineral Content, Basal Metabolic Rate, Waist-Hip Ratio, Waist Circumference, Visceral Fat Area, Obesity Degree, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, TBW/FFM, FFMI, FMI, SMI) · Whole Body Phase Angle (50 kHz) · Segmental Phase Angle (5 kHz, 50 kHz, 250 kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Impedance Graph (Each segment and each frequency)
Outputs (Comparison Result Sheet)	· Weight, Skeletal Muscle Mass, Body Fat Mass, ECW Ratio, Phase Angle: Whole Body (Today, Recent, Difference) · Lean Mass, ECW Ratio, Phase Angle: Right Arm, Left Arm, Trunk, Right Leg, Left Leg (Today, Recent, Difference)	· Cole-Cole Plot (Standard median curve, Today's Results, Previous Results)
Outputs (InBody Thermal Result Sheet)	· Personal Information · Muscle, Fat Analysis (Weight, Skeletal Muscle Mass, Soft Lean Mass, Body Fat Mass) · Obesity Analysis (BMI, Percent Body Fat) · Segmental Lean Analysis · Segmental ECW Ratio Analysis · Body Water Composition (Total Body Water, Intracellular Water, Extracellular Water) · Body Composition Analysis (Protein, Minerals, Body Fat Mass, Fat Free Mass, Bone Mineral Content) · Segmental Body Water Analysis · Segmental Fat Analysis	· Segmental Lean & ECW Ratio Analysis (Assessment) · Water Control · Research Parameters (Intracellular Water, Extracellular Water, Wholebody ECW Ratio, Skeletal Muscle Mass, Protein, Mineral, Bone Mineral Content, Body Cell Mass, Waist-Hip Ratio, Waist Circumference, Visceral Fat Area, Obesity Degree, Basal Metabolic Rate, Arm Circumference, Arm Muscle Circumference, FFMI, FMI, SMI, SMM/WT, TBW/FFM, ECM/BCM, TBW/WT) · Whole Body Phase Angle (50 kHz: Right side of the body) · Segmental Body Phase Angle (5 kHz, 50 kHz, 250 kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) · Impedance (Each segment and each frequency)

* The above content is subject to change without prior notice for the purpose of improving device appearance and performance.
* Note that this is a medical device, and use it with proper care and knowledge of its precautions and instructions.
* The results about Blood Pressure or Hand Grip Stength are only available when integrated with InBody Blood Pressure Monitor. (BPBIO Series) or InBody Handgrip Dynamometer (InGrip).
* "QR Code" is registered trademark of DENSO WAVE INCORPORATED.