



InBody330

BODY COMPOSITION ANALYZER

More Convenient, More Advanced

Design



- _ A sleek design
- _ Fast analysis less than 35 seconds

Screen



- _ Color STN LCD Touch Screen
- _ Great legibility of results on screen
- _ Easy operation of the InBody330 with menu icons including Quick Setup function

Hand electrodes

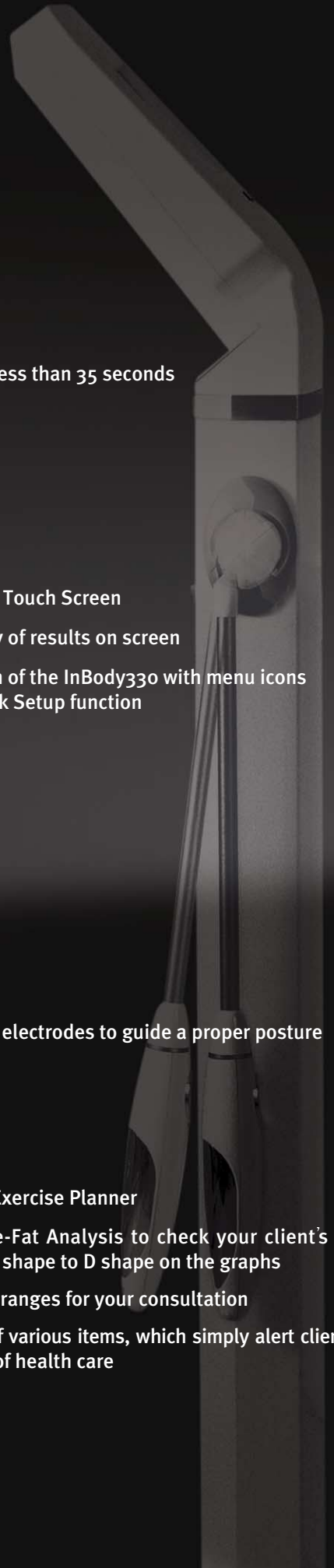


- _ Bar-type hand electrodes to guide a proper posture

Result Sheet



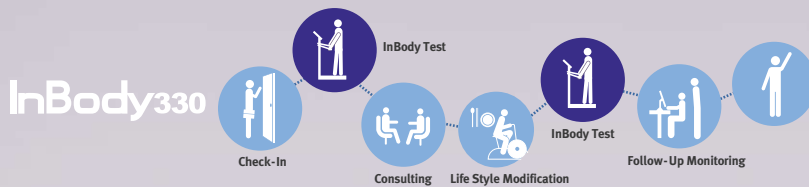
- _ Personalized Exercise Planner
- _ Useful Muscle-Fat Analysis to check your client's body change from C shape to D shape on the graphs
- _ Useful normal ranges for your consultation
- _ Check boxes of various items, which simply alert clients to the necessity of health care



From obesity diagnosis to exercise prescription, InBody330 will keep you company.

- _ Color LCD screen for easy results display.
- _ Obesity Diagnosis even detects hidden obesity.
- _ Muscle-Fat Analysis shows the changes of skeletal muscle mass and body fat mass.
- _ Exercise Planner provides personal exercise based on results.

Enjoy the benefits of the InBody330

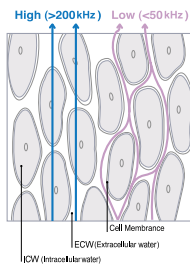


Core Technology

Multi-Frequency Measurement

Multi-frequency measurement provides precise amount of body water.

Exact measurement of body water guarantees high accuracy.

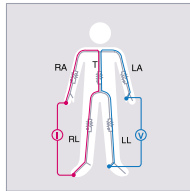


Direct Segmental Measurement

Biospace's patented technology makes measurements absolutely accurate. It produces impedance for each segment: 4 limbs and trunk.

Accurate impedance measurement at trunk is the key to bioimpedance measurement.

No empirical factor such as gender or age is used.

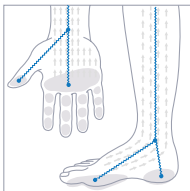


8-Point Tactile Electrode System

It enhances accuracy by fixing the measuring location of current and voltage.

The fixed measuring location of the body guarantees high reproducibility.

It also minimizes error rates caused by contacting electrodes at different spots of hands or feet.



No Use of Empirical Estimation

With Biospace's superior technology (direct segmental measurement and 8-point tactile electrode system), there is no need to use empirical estimation.

No estimation is needed due to accurate segmental measurement of trunk.

Gender or age does not affect the results.

Result Sheet of the InBody330

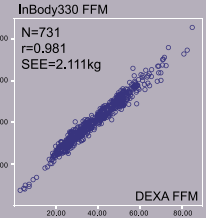
1. Body Composition Analysis tells the state of body composition.

Body composition analysis is one of the most fundamental information of the InBody test. Comparing with normal range, you can estimate the current condition of body.

InBody is the only BIA body composition analyzer which shows correlation coefficient over 0.98 compared to DEXA.

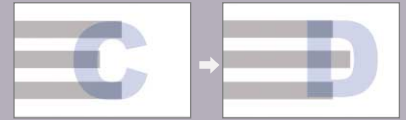
*Male : 343, Female : 388

	N	Minimum	Maximum	Mean	Std. Deviation
Age	731	5.00	88.00	40.09	17.54
Height	731	106.50	193.00	162.42	10.43
Weight	731	17.30	118.30	60.60	13.59



2. Muscle-Fat Analysis shows you the actual changes of body.

Bars of Weight, Skeletal Muscle Mass and Body Fat Mass may appear in the shape of C or D. You can simply figure out the body condition based on this shape of bars. Show your clients these graphs are on their way to D.



3. Obesity Diagnosis can even reveal hidden obesity.

If BMI is normal but % body fat is high, we call it as 'hidden obesity'. Show the effects of workout or treatment to your clients who used to have high % body fat.

4. Exercise Planner provides appropriate exercises based on individual's body composition.

Aerobic exercise is selected to lose excessive body fat and weight training is selected to build up more muscle.

5. Overall Evaluation clearly categorizes the results into health check points.

The health status can be seen at a glance by color; Blue and Red.

6. Weight Control suggests scientific ways for weight management.

Based on individual body composition, the InBody330 suggests not only to adjust weight but also to control fat and muscle amounts. Your clients will be able to manage weight without yoyo effect.

7. Impedance proves accuracy of InBody test; the segmental values at various frequencies.

The InBody330 uses core technologies which guarantee accuracy of impedance index. Biospace proudly shows impedance values of arms, trunk and legs at each frequency.

InBody 330 Body Composition Analysis

I.D. SM0028 AGE 27 HEIGHT 160cm GENDER F DATE/TIME 2005.01.15/10:26:30(0059)

B. Hospital
Doctor Cha

1 Body Composition Analysis

Compartments	Values	Soft Lean Mass	Fat Free Mass	Weight	Normal Range
T B W (ℓ) <small>Total Body Water</small>	24.8	31.8	33.9	51.0	27.4 ~ 33.5
Protein (kg)	6.6				
Mineral (kg)	2.52	<small>non-osseous</small> osseous: 2.11			2.53 ~ 3.10
Body Fat Mass (kg)	17.1				10.8 ~ 17.2

► Mineral is estimated.

5 Nutritional Evaluation

Protein Normal Deficient
Mineral Normal Deficient
Fat Normal Deficient Excessive

Weight Management

Weight Normal Under Over
SMM Normal Strong Under
Fat Normal Under Over

Obesity Diagnosis

B M I Normal Under Over
 Extremely Over
P B F Normal Over Extremely Over
W H R Normal Over Extremely Over

2 Muscle - Fat Analysis

	Under	Normal	Over	UNIT: %	Normal Range
Weight (kg)	55 70 85 100 115 130 145 160 175 190 205	51.0			45.7 ~ 61.8
S M M (kg) <small>Skeletal Muscle Mass</small>	70 80 90 100 110 120 130 140 150 160 170	18.0			20.3 ~ 24.9
Body Fat Mass (kg)	40 60 80 100 160 220 280 340 400 460 520	17.1			10.8 ~ 17.2

3 Obesity Diagnosis

	Under	Normal	Over	Normal Range
B M I (kg/m ²) <small>Body Mass Index</small>	10 15 18.5 21.5 25 30 35 40 45 50 55	19.9		18.5 ~ 25.0
P B F (%) <small>Percent Body Fat</small>	8 13 18 23 28 33 38 43 48 53 58	33.4		18.0 ~ 28.0
W H R <small>Waist-Hip Ratio</small>	0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15	0.78		0.75 ~ 0.85

6 Weight Control

Target Weight	53.8 kg
Weight Control	+2.8 kg
Fat Control	- 4.7 kg
Muscle Control	+7.5 kg
Fitness Score	67 Points
B M R	1103 kcal

4 Exercise Planner

Please consult with a specialist before starting exercise



Walking

Consuming energy: 103kcal/30min.
 Weight Loss/1month: 0.2kg
 (4times /1week)
 Type : Aerobic Exercise



Mountain Climbing

Consuming energy: 182kcal/30min.
 Weight Loss/1month: 0.4kg
 (4times /1week)
 Type : Aerobic Exercise



Cycling

Consuming energy: 155kcal/30min.
 Weight Loss/1month: 0.3kg
 (4times /1week)
 Type : Aerobic Exercise



Sit-ups

Effect: Abdominal muscle development
 Exercising part: Abdomen
 Type : Muscular Exercise



Push-ups

Effect: Upper body development
 Exercising part: Chest and Arm
 Type : Muscular Exercise

7 Impedance

Z	RA	LA	TR	RL	LL
5 kHz	502.0	534.7	34.4	344.6	337.5
50 kHz	461.2	494.6	30.6	308.2	303.8
250 kHz	422.9	457.5	27.3	280.4	276.1

InBody330

Specifications

Bioelectrical Impedance(BIA) Measurement Items	Bioelectrical Impedance(Z)	15 Impedance Measurements by Using 3 Different Frequencies (5 kHz, 50 kHz, 250 kHz) at 5 Segments (Right Arm, Left Arm, Trunk, Right Leg, Left Leg)
Electrode Method	Tetrapolar 8-Point Tactile Electrode System	
Measurement Method	Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method ; DSM-BIA Method	
Body Composition Calculation Method	No Empirical Estimation	
Outputs	Total Body Water, Protein, Mineral, Body Fat Mass Skeletal Muscle Mass, Soft Lean Mass, Fat Free Mass, Weight BMI, Percent Body Fat, Waist-Hip Ratio(WHR) Nutritional Evaluation(Protein, Mineral, Fat) Target Weight, Weight Control, Fat Control, Muscle Control, Fitness Score BMR Impedance of each segment at 3 frequencies, Exercise Planner	
Applied Rating Current	400 μ A	
Adapter	Power Input	AC100-240V, 50/60Hz, 1.2A
	Power Output	DC 12V, 3.5A
Display Type	480 \times 320 color STN LCD	
Input Interface	Touch screen	
External Interface	RS-232C 2EA, USB Slave 1EA, USB Host 1EA, IEEE1284(25pin parallel) 1EA	
Compatible Printer	Laser/Inkjet Printer (with PCL 3 or above, the printers recommended by Biospace)	
Dimensions	500(W) \times 905(L) \times 1165(H) : mm	
	19.7(W) \times 35.6(L) \times 45.9(H) : inch	
Machine Weight	28kg(61.7lb.)	
Measurement Duration	about 35 seconds	
Operation Environment	10 ~ 40°C (50 ~ 104°F), 30 ~ 80%RH, 500 ~ 1060hPa	
Storage Environment	0 ~ 40°C (32 ~ 104°F), 30 ~ 80%RH, 500 ~ 1060hPa	
Weight Range	10 ~ 250kg(22 ~ 551lb.)	
Age Range	3 ~ 99years	
Height Range	95 ~ 220cm(3ft. 1.4in. ~ 7ft. 2.6in.)	

Ⓞ The aforementioned information is subject to change without prior notice.



Certifications and patents obtained by Biospace



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