



VISCAN™

MEASURES VISCERAL AND TRUNK FAT IN SECONDS 300

VISCAN[™] ACCURATE MEASUREMENTS IN SECONDS

High levels of visceral fat and trunk fat are scientifically proven to be linked to lifestyle diseases such as metabolic syndrome, type 2 diabetes and other lifestyle diseases however until now have been difficult and expensive to measure, especially in larger research studies or routine clinical practice.

Tanita has pioneered VISCAN, an innovative concept which directly measures visceral trunk fat and waist circumference using the latest Tanita BIA technology.

VISCAN[™] directly measures the abdominal region and instantly shows readings¹ for:

- Visceral fat level on a scale of 1 59 (0.5 graduation)
- Assesses visceral fat level using a 6-step bar-graph display from standard to excessive
- Trunk fat percentage: on a scale of 5.0 75.0%
 (0.1% graduation)
- Assesses trunk fat percentage: using a 9- step bar-graph display from low to high
- Estimated waist circumference: 50 130 cm (1 cm graduation)
- "Over 130cm Mode" allows measurement of subjects with a waist circumference of 130cm or greater.

¹ Assessment of measurements are shown for subjects aged 18 years and above. For subjects under 18 years, measurements only are shown and can be used as reference data.





HOW VISCAN[™] WORKS

A cleverly designed 'electrode belt' is placed on the bare midriff of the subject. The belt then uses Tanita Dual Frequency BIA technology to take the measurement and passes the reading via infa red to the base unit in just 30 seconds.

HELPING YOU ACHIEVE RESULTS

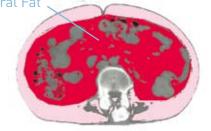
VISCAN is specifically designed for a wide range of needs from large scale research projects to routine clinical practice.

- Convenient to work with disabled, critically ill and elderly patients
- Measurements are taken in under 30 seconds
- Easy to set up and use no training required
- Highly accurate and repeatable results
- Minimal or no personal contact
- Lightweight and portable supplied with handy carry/storage case

The diagrams below show a greater accumulation of visceral fat in an individual with a spinal-cord-injury compared to a healthy person. By using VISCAN the measurement error compared to tape measurement of waist circumference can be substantially reduced.



Male: Healthy subject (32 years old) BMI 23.7 Waist circumference 84.0cm Visceral fat area 97.7cm²



Male: Spinal-cord injury victim (35 years old) BMI 23.7 Waist circumference 82.2cm Visceral fat area 211.8cm²

TANITA ACCURACY GUARANTEED

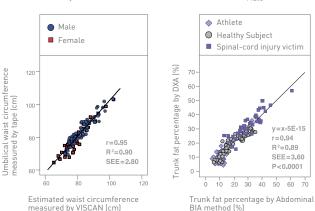
VISCAN estimates the waist circumference based on the fact that umbilical waist circumference (abdominal circumference) measured by tape is highly correlated with abdomen width. The positioning laser and sensors allow high reproducibility and reliability.

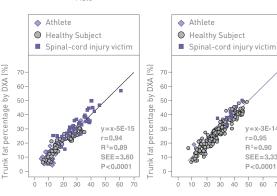
High levels of visceral fat and trunk fat are said to be closely correlated to the incidence of lifestyle-related diseases. They are statistically estimated using the abdominal BIA method and by analyzing the data obtained from the X-ray CT and DXA method (Double Energy X-ray Absorptiometry).

Male

Correlation between "Umbilical waist circumference measured by tape" and "Estimated waist circumference measured by VISCAN"

Correlation between "Trunk fat percentage by DXA" and "Trunk fat percentage by Abdominal BIA method





Trunk fat percentage by Abdominal BIA method (%)

Female



VISCAN[™] SPECIFICATIONS

Base unit

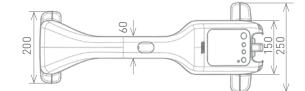
Measurement method: near-infrared reflectance method Measurement span: 20 – 48 cm Battery: nickel metal-hydride battery Power source: AC adapter: input 100 – 240 V; output 12 V, 2 A Weight 2.6kg External interface RS232C output (D-sub 9-pin female connecto Operating temperature limit (storage temperature limit) 0 – 35°CĐ-10 – 60°CĐ

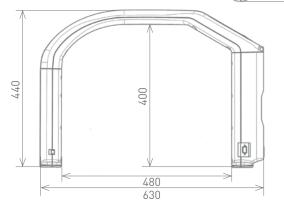
Impedance Belt

Measurement method: 4-electrode type Measurement frequency: 6.25 kHz, 50 kHzMeasurement range: $5 - 100 \Omega$ Power source: DC 6 V, AAA alkaline dry cell x 4 Weight: 0.5 kg

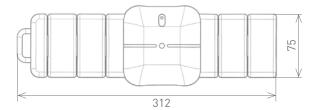
Positioning laser

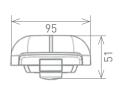
Light-emitting unit: visible-light semiconductor laser Laser wavelength: 650 nm (red light) Laser output: less than 1 mW Beam size: at 200 mm distance, line length 200 mm or over line width less than 2 mm, point (approx. ø 1.5 mm) in centrosphere ± 5 mm Grade: Class 2M Base Unit Dimensions (mm)





Impedance Belt Dimensions (mm)





CONTACT INFORMATION

Tanita Europe B.V. Holland Office Centre Kruisweg 813-A 2132NG Hoofddorp The Netherlands Tel: +31 (0)23 554 0188 Fax: +31 (0)23 557 9065 www.tanita.eu

Tanita UK Ltd

The Barn Philpots Close Yiewsley Middlesex UB7 7RY Tel: +44 (0) 1895 438577 Fax: +44 (0) 1895 438511 Email: info@tanita.co.uk www.tanita.co.uk/professional

Tanita Corporation of America Inc. 2625 South Clearbrook Drive, Arlington Heights, Illinois 60005 USA Tel: +1-847-640-9241 Fax: +1-847-640-9261 www.tanita.com

Tanita Health Equipment H.K. Ltd Unit 301-303 3/F Wing on Plaza, 62 Mody Road, Tsimshatsui East, Kowloon, Hong Kong Tel: +852 2838 7111 Fax: +852 2838 8667

Tanita Corporation 14-2, 1-Chome, Maeno-cho Itabashi-ku, Tokyo, 174-8630, Japan Tel: +81(0)-3-3968-7048 Fax: +81(0)-3-3967-3766 www.tanita.co.jp