CLAIMS

1. A measurement device for measuring a change in ~~the size and /~~one or ~~shape~~more of a circumference or a perimeter of at least a portion of an object having a surface, the device including:

a first part for attachment to the object;

a second part having a first portion moveable relative to a first portion of the first part; ~~and~~

a determining device for determining a displacement of the first portion of the second part relative to the first portion of the first part caused by the object changing~~,~~; and

a biasing device for biasing the first part and the second part towards engagement, the biasing device overlapping each of the first portions and being secured on a surface of the first portion of the first part and the first portion of the second part and wrapped around at least one low friction element allowing the biasing device to double back; wherein the displacement is for use in measuring the change in ~~the size and /~~one or ~~shape~~more of a circumference or a perimeter of the object.

2. A measurement device according to claim 1, wherein at least the first portion of the first part is positioned above or below the first portion of the second part.

3. A measurement device according to claim 1~~ or 2~~, wherein the determining device is provided on at least one of the first and second parts.

4. A measurement device according to claim 1, ~~2 or 3,~~ wherein the first and second parts are connected.

5. A measurement device according ~~any preceding~~to claim 1, wherein the second part has a second portion which is fixed against movement relative to the first part~~.~~, or wherein the first portion of the second part is slidingly connected to the first part.

6. A measurement device according to ~~any preceding~~ claim 1, wherein ~~the first portion of the second part is slidingly connected to the first part.~~

~~7. A measurement device according to any preceding claim, wherein at least the first portion of the second part is biased towards the first part and/or optionally or preferably~~ the first and second parts are biased towards engagement with the object when the measurement device is attached thereto.

~~8~~7. A measurement device according to claim ~~7~~5, wherein at least the first portion of the second part is biased towards engagement with the first part.

~~9~~

8. A measurement device for measuring a change in the size and~~/~~/or shape of at least a portion of an object having a surface, the measurement device including:

a first part for attachment to the object, wherein the first part includes a first portion and

a second portion which are configured to permit relative movement between them when the object changes;

a determining device for determining a relative displacement of the first and second portions caused by the object changing, wherein the displacement is for use in measuring the change in the size and/or shape of the object.

~~wherein the displacement is for use in measuring the change in the size and / or shape of the object.~~

~~10~~

9. A measurement device according to ~~any preceding~~ claim 1, including one or more of the following:

a) the respective first portions, or the first and second portions of the first part, are biased against relative movement between them; and

~~b) optionally or preferably,~~b) the respective portions, or the first and second portions of the first part, at least partially overlap.

~~11~~

10. A measurement device according to ~~any preceding~~ claim 1, wherein the determining device includes a first element provided on one of the first and second parts~~/~~/portions, and a second element provided on the other one of the first and second parts~~/~~/portions, wherein the first and second elements may co-operate to determine the displacement.

~~12~~

11. A measurement device according to ~~any preceding~~ claim 1, wherein the determining device includes an electric circuit connectable to a power supply of the measurement device and wherein the electric circuit has a variable resistance which increases or decreases in correlation to the displacement.

~~13~~

12. A measurement device according to claim ~~12 when dependent on claim 11~~10, wherein the determining device includes an electric circuit connectable to a power supply of the measurement device and the electric circuit has a variable resistance which increases or decreases in correlation to the displacement, and further wherein the first and second elements co-operate to form the electric circuit.

~~14~~13. A measurement device according to claim 12 ~~or 13~~, wherein the electric circuit includes a plurality of resistors, and wherein the first and second elements co-operate to vary the number of resistors connected in the electric circuit when the first portion of the second part moves relative to the first portion of the first part such that the resistance of the electric circuit is correlated to the displacement.

~~15~~

14. A measurement device according to ~~any preceding~~ claim 1, wherein the first part~~/~~/portion, and~~/~~/or second part~~/~~/portion, are deformable to follow the surface of the object as it changes during use, ~~optionally or preferably~~ the parts~~/~~/portions are resiliently deformable~~.~~

~~16. A measurement device according to any preceding claim~~, and/or wherein the first part includes an engagement surface, which, in use, remains in steadfast engagement with the surface of the object as the object changes.

~~17~~

15. A measurement device according to ~~any preceding~~ claim 1, wherein the measurement device is configured as a band or strap and ~~optionally or preferably~~ end portions of the first part are connected together to form the band or strap~~.~~, and/or

~~18. A measurement device according to any preceding claim~~ wherein the first part is configured to increase or decrease in length during use in accordance with the change in ~~size~~circumference or ~~shape~~perimeter of the object, and/or ~~optionally or preferably~~ the

relative displacement increases or decreases in accordance with the change in shape of the object during use.

~~19~~

16. A measurement device according to ~~any preceding~~ claim 1, wherein the first part is releasably attachable to the object~~.~~

~~20. A measurement device according to any preceding claim including~~ , and/or includes an attachment device for attaching the first part to the object.

~~21~~

17. A measurement device according to ~~any preceding~~ claim 1, wherein the first part includes first and second members.

18. A measurement device according to ~~22~~claim 17, wherein the first and second members are connected by the attachment device.

19. A measurement device according to claim ~~21 wherein the first and second members are connected by the attachment device.~~

~~23. A measurement device according to claim 21 or 22~~17, wherein the first and second members are permitted to move relative to one another when the object changes.

~~24~~

20. A measurement device according to ~~any preceding~~ claim 1, wherein the measurement device is configured as a user wearable device for attachment to a portion of a ~~user's~~user's body to measure changes in said portion~~.~~, and/or wherein the measurement device includes one or more or all of the following features:

~~25. A measurement device according to any preceding claim, wherein the measurement device includes one or more or all of the following features:~~

~~d~~a) a processor;

~~e~~b) memory for storing instructions and/or data for processing by the processor; and

~~f~~c) communication link for communicating with a computing device,

wherein features a) to c) are ~~optionally or preferably~~ arranged to operate the determining device to obtain the displacement, and/or ~~optionally or~~

~~preferably~~ communicate said displacement to a computer device at pre-determined intervals and/or as instructed by the computing device.