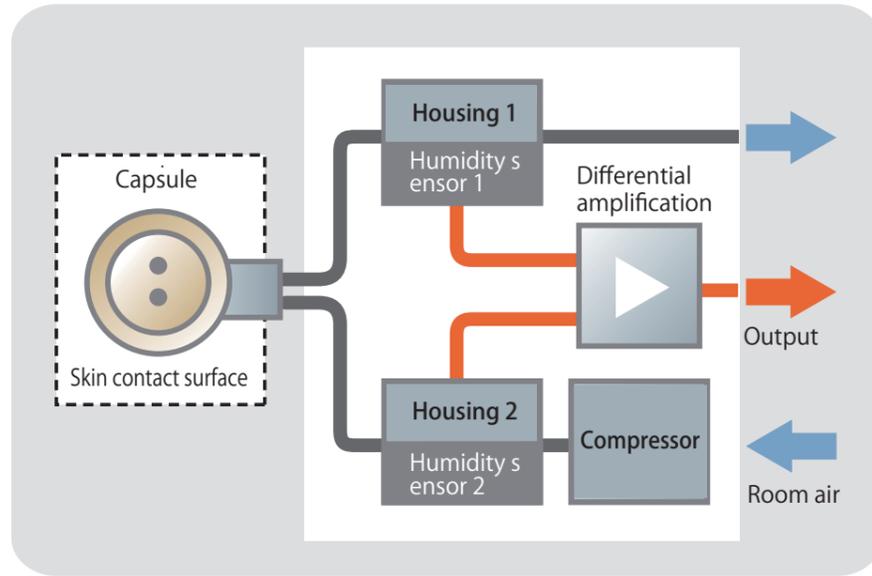


Operating mechanism of SKINOS perspirometers



A ventilated capsule-type perspirometer is a simple perspiration meter that does not require dry air as it uses the air in the measurement environment as a reference. Air is supplied to the capsule that covers the skin, and the amount of sweat is measured from the humidity difference between the air before and after it passes through the skin.

SKINOS PRODUCTS

Equipped with multiple sensors that measure "Heart Rate", "Perspiration Volume", "Skin Temperature", and "Activity Levels"!

New Heatstroke Prevention Device

WLS-1000



Approved as a medical device in Japan

SKINOS
Technology
& Products

Science of sweat
SKINOS

+
Perspiration
Scene

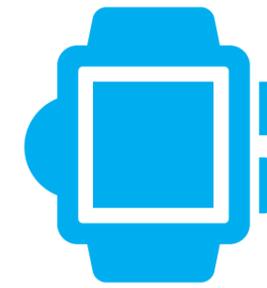
Cutting-Edge
Perspiration
Measurement Technology
Opening Up New Business
Opportunities.

SHINSHU UNIVERSITY Startup company originating from Shinshu University Japan

Science of sweat
SKINOS

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Cutting-Edge Perspiration Measurement Technology Opening Up New Business Opportunities.



We have compiled ideas and insights for new products and services using wearable perspiration-measurement devices.

NEW CONCEPT

Thermally Induced Perspiration Wrist-Worn Device

SCENE1

Outdoor Activities in Extreme Heat + Perspiration

Providing insights into hydration levels to help reduce the risk of heatstroke.

By monitoring perspiration volume, the wrist-worn device encourages appropriate hydration, helping to prevent heatstroke and reduce human error. It is particularly effective not only at worksites such as construction, agriculture, power generation, and manufacturing plants (including steelworks), but also during short periods of exertion such as commuting to work or school and outdoor sales activities under intense sunlight.



SCENE2

Fitness + Perspiration

Safety measures during exercise (dehydration and heatstroke prevention) and delivery of exercise programs.

Using hydration alerts provided by the wrist-worn device helps prevent declines in athletic performance and improves training quality. In addition, by combining perspiration data with other biometric information to assess exercise intensity, personalized exercise programs can be offered based on each individual's fitness level and physical condition.



SCENE3

Dehydration + Perspiration

Providing information to help prevent skin irritation and dehydration in elderly individuals.

An increase in moisture evaporation from the skin due to dryness is a warning sign of potential skin trouble. The wrist-worn device can measure both environmental humidity and moisture loss from the skin, encouraging appropriate skincare practices such as proper use of moisturizing creams. It can also provide users with recommendations for suitable skincare products.



SCENE4

Bathing + Perspiration

Providing information for effective and healthy bathing.

By detecting increases in skin temperature and the onset of perspiration, the wrist-worn device notifies users of optimal bathing duration and appropriate water temperature. Since bath additives can further enhance the warming effect, the device can also offer recommendations for suitable bath salt products.



SCENE5

Sleep + Perspiration

Providing information to create a better sleep environment.

The wrist-worn device can assess thermoregulation, which significantly affects sleep quality, and provide guidance for improving the sleep environment. It can also offer users information on recommended bedding and air-conditioning equipment to help achieve optimal sleep conditions.



SCENE6

Apparel + Perspiration

Providing information for the development of seasonally optimized textiles.

Perception of heat and cold varies from person to person. The wrist-worn device can detect discomfort caused by temperature conditions. By combining accumulated data with weather forecasts, it can suggest appropriate clothing choices and recommend garments to incorporate into daily outfits.

