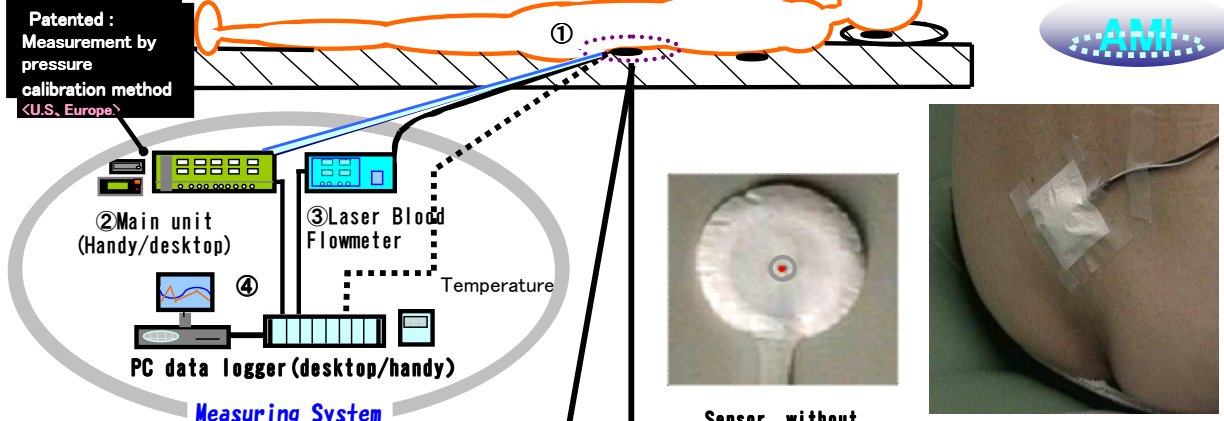


Continuation measurement of pressure from a living body and blood flow of skin on the same part of that living body

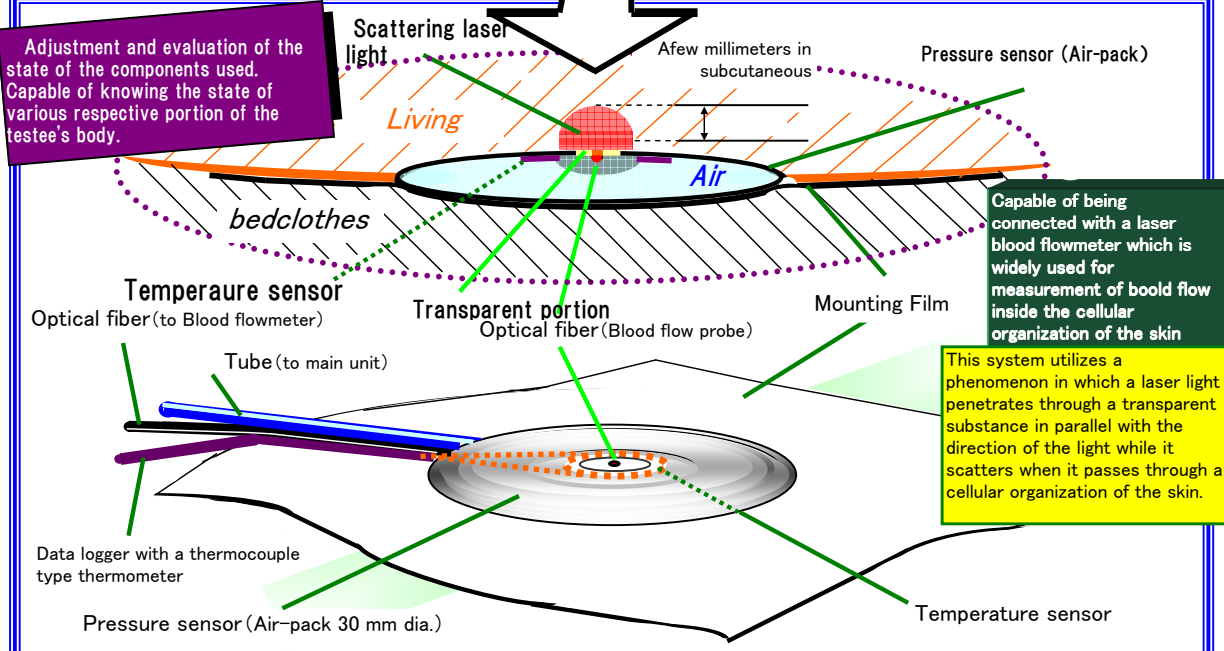
Contact surface pressure · Blood flow sensor
Skin temperature (option)

U.S.A.: U.S.Pat.5922966 July 13,1999
Europe: E.Pat.0831313 August 9,2000

Patented:
Measurement by pressure calibration method
(U.S., Europe)



Sensor without Temperature element



Advantageous features of our blood flow/skin temperature sensor

There is no fear of the probe sinking into the skin during the blood current measurement, thereby it is ensured that the measurement can be made on a natural curvature of the contacted surface of the skin.

By means of an air enclosed inside the sensor positioned between two contacted surfaces, a measurement of blood current can be made on a natural curvature of the skin surface. On the other hand, in customary sensors, measurement was made in the state of capillary vessels being terribly deformed by a solid probe which may come into a direct contact with such capillary vessels.

A measurement aiming at the heat transmission from a living body can be made with our sensor in its skin temperature measurement function.

Because an intended portion for measurement is covered with air, the sensing of a thermal effect caused by a blood current of the skin or by some other physiological functions is made primarily, thereby, it is possible to eliminate to a considerable extent natural contacting effects brought about by bedclothes.

