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### Wireless GSR Sensor

**Price:** €147.00

Description	Images	Specifications	Similar Products
<p>Wireless GSR measurement solution for Affective Computing and Cognitive Factors Research</p> <p><b>Description</b></p> <p>The Shimmer GSR (Galvanic Skin Response) monitors skin conductivity between two reusable electrodes attached to two fingers of one hand. Caused by a stimulus the sweat glands become more active, increasing moisture on the skin and allowing the current to flow more readily by changing the balance of positive and negative ions in the secreted fluid (increasing skin conductance). The Shimmer GSR is connected to the Shimmer mainboard via the internal connector pin, and is contained within the Shimmer enclosure, with two leads connecting to the finger tip electrodes. The current draw of the GSR daughter board is approx 60µA, and has an open system with no propriety connectors, and an open and extensible software and data format.</p> <p><b>Key Features</b></p> <p>The Shimmer GSR outperforms proprietary sensors at a fraction of the cost, by utilising four digitally controlled measurement ranges which developers use to ensure accurate measurement across a variety of test subjects in real world deployments. This is combined with a lightweight, small form factor for wearable applications, greater</p>			

flexibility and ease of integration into existing products and real world applications. The GSR daughter board captures data to the highest industry standards and has been **validated** for use in biomedical-oriented research applications.

### Applications

The Shimmer GSR permits a wireless measurement solution for Affective Computing and Cognitive Factors Research. Skin conductance variance can be detected with psychological arousal such as mental effort, excitement, shock, and especially stress. GSR has been utilised in diverse areas from marketing research, relaxation training, and psychotherapy.

**Download** the [Shimmer Wireless GSR Sensor Data Sheet](#).

**Code:** SH-GSR-KIT-002. Includes GSR daughterboard and GSR top enclosure only. Shimmer baseboard sold separately.