INFOSHEET

ElectroSkin

The only high quality textile electrode on the market.

NANOLEQ

The big picture for e-textiles is very promising. There is unquestionable potential when you combine the ease of use of textiles with the analytic power and today's connectivity of electronics. Smart garments bring various benefits in health and wellbeing and open up new possibilities for sensing, activation and monitoring in sports, workwear, military and automotive applications. Despite the trend toward e-textiles, most solutions are neither comfortable, nor durable, and require a complex production process. The electronics and textile industries did not merge successfully yet.

Nanoleq created ElectroSkin, a hybrid polymer-textile electrode solution. ElektroSkin combines a biocompatible surface with optimal skin impedance and excellent signal quality. It is comfortable and can be used in a dry state (without wetting). ElectroSkin is ultrathin, elastic and highly washable. It can be integrated onto garments in a one-step lamination process. Connecting ElectroSkin is fast and reliable thanks to a smart connection interface. Textile manufacturers can now easily form electrical connections, without electronics expertise and without the need for crimping or soldering.

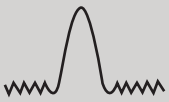
Be part of the future with ElectroSkin.

Biocompatible
according
to ISO 10993-10

high washability

100X

high SNR



ultra flexible

light

low skin impedance

easy lamination
& connection

ElectroSkin SENSE

ElectroSkin SENSE contains combination of textile and conductive polymer layers, optimized for a minimal skin impedance and maximal signal quality, without the need for wetting.

ElectroSkin STIM

The skin contact surface and elastic modulus of ElectroSkin STIM is optimal for comfortable electrostimulation for long lasting e-textiles.

ECG

EMG

Electrostimulation

EEG