

EDA Electrodermal Activity



Application Description

Measure the skin conductance level (SCL) and skin conductance response (SCR) as they vary with sweat gland (eccrine) activity due to stress, arousal or emotional excitement. Record wirelessly with BioNomadix® for both in lab applications and with the BioNomadix Logger to record data from participants at home, work and play, or use wired EDA100C amplifiers in the lab or EDA100C-MRI in the MRI. AcqKnowledge® software includes a fully automated electrodermal response scoring tool that locates skin conductance responses, visually identifies them on the waveform and extracts key measures. Automatic event related EDA analysis can also be performed by locating the onset of the discrete stimuli and identifying specific and nonspecific SCR within a user specified time range.

Advanced Features

- Electrodermal Activity (EDA) Scoring
- Event-Related EDA Analysis
- Stimulus Presentation Event Marking
- And [More](#)

Watch [Automated Analysis Video Tutorials](#) at the [BIOPAC Website!](#)

Selected Research Citations Below

[Search online](#) for more than 3,790 BIOPAC citations for EDA: Electrodermal Activity

Electrodermal Activities of Athletes and Non-Athletes

Pawan Kumar, et al (2019). International Journal of Physiology, Nutrition, and Physical Education

The use of electrodermal activity (EDA) measurement to understand consumer emotions – A literature review and a call for action

Delphine Caruelle, et al (2019). Journal of Business Research, Vol 104

The children of Superstorm Sandy: Maternal prenatal depression blunts offspring electrodermal activity

Jay Bluthman, et al (2019). Biological Psychology, Vol 146

Event-Related Electrodermal Response to Stress: Results from a Realistic Driving Simulator Scenario

Yannick Daviaux, et al (2019). The Journal of the Human Factors and Ergonomics Society

Sympathetic Nervous System Activity in Pre-Schoolers Who Stutter

Bridget Walsh, et al (2019). Frontiers in Human Neuroscience

Dimensions of adversity in association with adolescents' depression symptoms: Distinct moderating roles of cognitive and autonomic function

Rachel A. Vaughn Coaxum, et al (2019). Cambridge University Press, Development and Psychopathology

A Multimodal View into Music's Effect on Human Neural, Physiological, and Emotional Experience

Timothy Greer, et al (2019) 27th ACM International Conference on Multimedia, Nice, France

Why Behavioral Indicators May Fail to Reveal Mental States: Individual Differences in Arousal-Movement Pattern Relationships

Aaro Toomela, et al, (2019). Frontiers in Psychology, Forensic and Legal Psychology

Using Polygraph to Detect Passengers Carrying Illegal Items

Runxin Yu, et al (2019). Frontiers in Psychology, U.S. National Library of Medicine, National Institutes of Health

Blunted Physiological Stress Reactivity among Youth with a History of Bullying and Victimization: Links to Depressive Symptoms

Laura J. Lambe, et al (2019). Journal of Abnormal Child Psychology, Vol 47, Issue 12

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