

Resources for Electrodermal Activity Data Acquisition and Analysis

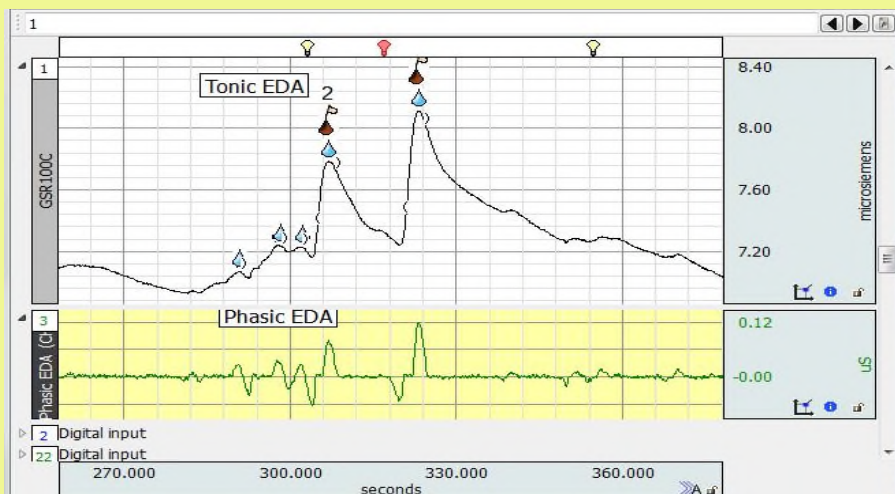
EDA solutions Automatically locate and mark skin conductance responses while easily correlating EDA recording with stimulus events.

Advanced Features

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

Knowledge Base

- [Gel for EDA](#)
- [Negative EDA](#)
- [EDA Subject Preparation](#)
- [Guidelines – EDA, EDR, GSR, SCL, and SCR](#)
- [Phasic EDA: Methods for Computing Phasic Skin Conductance from Tonic](#)



Hardware Options for High-Quality EDA Data



[MP150](#) Wired 16-channel A/D

[EDA100C](#) Wired EDA

[TSD203](#) Reusable EDA Transducer

[MP36R](#) Wired universal amp

[SS3LA](#) Reusable EDA Transducer

[SS57](#) EDA Lead

[EL507](#) Disposable EDA Electrode

[LEAD110](#) Electrode Leads

[BN-LOGGER](#) Wireless Physiology Logger

[BN-PPGED](#) Wireless PPG and EDA Amp

[BN-EDA-LEAD2](#) Wireless Leads

[EL507](#) Disposable EDA Electrode

[EL-CHECK](#) Electrode Impedance Checker

[EDA100C-MRI](#) Wired MRI EDA

[EDA100C-MRI](#) EDA Amp for MRI

[MECMRI-TRANS](#) MRI Filtered Cable Set

[EL508](#) Disposable Radiotranslucent Electrode

[LEAD108B/108C](#) Clip Lead Unshielded, 15 cm or 30 cm options

Video Tutorials for Analysis

- [EDA – SCR Event Related Analysis](#)
- [Focus Areas | AcqKnowledge Tutorial](#)
- [Noldus Observer XT Import/Export in AcqKnowledge](#)
- [On-Demand Webinars: Recording Great EDA Data](#)

Application Notes

- 187 - [Electrodermal Response Guidelines](#)
- 216 - [EDA Scoring Methods](#)
- 279 - [ECG and EDA Recording in 7-Tesla fMRI](#)
- 276 - [Emotional State Recognition via Physiological Measures and Processing](#)

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System Level Solutions



WIRED

MP150 System uses Reusable Electrodes

MP36R System uses Disposable Electrodes

MP36R System uses Finger Transducer



WIRELESS

BioNomadix Logger For logging data, uses Bionomadix Wireless EDA Amp

BioNomadix System with Matched EDA Transmitter/Receiver set and MP150



MRI

MP150 System Uses Radiotranslucent Electrodes for MRI

Research Citations

Selected citations below—[search online](#) for more than 2,700 BIOPAC Citations for EDA

[Autonomic Nervous System Responses Can Reveal Visual Fatigue Induced by 3D Displays.](#)

Kim, C.J., et al. (2013). *Sensors*, 13, 10.

[Blunted Responses to Reward in Remitted Post-Traumatic Stress Disorder.](#)

Kalebasi, N., et al. (2015). *Brain and Behavior*, 5, 8.

[Comparing Affective Responses to Standardized Pictures and Videos: A Study Report.](#)

Horvat, M., Kukolja, D., Ivanec, D. (2015). *In the Proceedings of the 38th International Convention on Information and Communication Technology, Electronics and Microelectronics MIPRO.*

[Modeling Event-Related Skin Conductance Responses.](#)

Bach, D.R., et al. (2010). *International Journal of Psychophysiology*, 75, 3.

[Observation and Imitation of Actions Performed by Humans, Androids, and Robots: An EMG Study.](#)

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[Sympathetic Arousal During a Touch-Based Healing Ritual Predicts Increased Well-Being.](#)

Meissner K., Koch A. (2015). *Evidence-Based Complementary and Alternative Medicine*, Volume 2015, Article ID 641704.

[The Relationship Between Attachment, Couple Conflict, and Recovery From Conflict.](#)

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[Vicarious Fear Learning Depends on Empathic Appraisals and Trait Empathy.](#)

Olsson, A., et al. (2015). *Psychological Science*, 27, 1.

[Worry as an Adaptive Avoidance Strategy in Healthy Controls but Not in Pathological Worriers.](#)

Ottaviani, C., et al. (2014). *International Journal of Psychophysiology*, 93, 3.



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