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

**WIRED**
- **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

**WIRELESS**
- **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

**MRI**
- **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

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<thead>
<tr>
<th>WIRED</th>
<th>WIRELESS</th>
<th>MRI</th>
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<tr>
<td><strong>MP150</strong></td>
<td><strong>BioNomadix Logger</strong></td>
<td><strong>MP150</strong></td>
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<td>System uses Reusable Electrodes</td>
<td>For logging data, uses BioNomadix Wireless EDA Amp</td>
<td>System Uses Radiotranslucent Electrodes for MRI</td>
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<td><strong>MP36R</strong></td>
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<td>System uses Finger Transducer</td>
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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.**

**Blunted Responses to Reward in Remitted Post-Traumatic Stress Disorder.**

**Comparing Affective Responses to Standardized Pictures and Videos: A Study Report.**

**Modeling Event-Related Skin Conductance Responses.**

**Observation and Imitation of Actions Performed by Humans, Androids, and Robots: An EMG Study.**

**On the Relationship Between Emotional State and Abnormal Unfairness Sensitivity in Alcohol Dependence.**

**Sympathetic Arousal During a Touch-Based Healing Ritual Predicts Increased Well-Being.**

**The Relationship Between Attachment, Couple Conflict, and Recovery From Conflict.**

**The Relationship Between Arousal, Personality, and Perception of Control in a Gambling Task.**
Pagnier G.J. (2014). *University of Massachusetts - Amherst*.

**Vicarious Fear Learning Depends on Empathic Appraisals and Trait Empathy.**

**Worry as an Adaptive Avoidance Strategy in Healthy Controls but Not in Pathological Worriers.**

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