

Resource Summary Report

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Signal

RRID:SCR_017081

Type: Tool

Proper Citation

Signal (RRID:SCR_017081)

Resource Information

URL: <http://ced.co.uk/products/sigovin>

Proper Citation: Signal (RRID:SCR_017081)

Description: Software package for sweep based data acquisition and analysis of time based waveform data obtained through CED digital analogue converter by Cambridge Electronic Design System Limited. Used for transient capture, patch and voltage clamp, LTP studies, evoked response and TMS.

Synonyms: Signal Version 6, CED Signal, Cambridge Electronic Design Signal

Resource Type: data analysis software, software resource, data acquisition software, software application, data processing software

Keywords: sweep, based, data, acquisition, analysis, time, based, waveform, data, CED, transient, capture, patch, voltage, clamp, LTP study, evoked, response

Funding:

Availability: Available for purchase

Resource Name: Signal

Resource ID: SCR_017081

Record Creation Time: 20220129T080333+0000

Record Last Update: 20250424T065455+0000

Ratings and Alerts

No rating or validation information has been found for Signal.

No alerts have been found for Signal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Paci M, et al. (2024) When the heart inhibits the brain: Cardiac phases modulate short-interval intracortical inhibition. *iScience*, 27(3), 109140.

Sagalajev B, et al. (2024) Absence of paresthesia during high-rate spinal cord stimulation reveals importance of synchrony for sensations evoked by electrical stimulation. *Neuron*, 112(3), 404.

Iborra-Lázaro G, et al. (2023) CPT1C is required for synaptic plasticity and oscillatory activity that supports motor, associative and non-associative learning. *The Journal of physiology*, 601(16), 3533.

Oz O, et al. (2022) Non-uniform distribution of dendritic nonlinearities differentially engages thalamostriatal and corticostriatal inputs onto cholinergic interneurons. *eLife*, 11.

Cardellicchio P, et al. (2021) The role of dorsal premotor cortex in joint action stopping. *iScience*, 24(11), 103330.

Tomassini A, et al. (2020) Visual detection is locked to the internal dynamics of cortico-motor control. *PLoS biology*, 18(10), e3000898.

Spyrka J, et al. (2020) Early life stress-induced alterations in the activity and morphology of ventral tegmental area neurons in female rats. *Neurobiology of stress*, 13, 100250.

Ermer E, et al. (2020) Contraction Phase and Force Differentially Change Motor Evoked Potential Recruitment Slope and Interhemispheric Inhibition in Young Versus Old. *Frontiers in human neuroscience*, 14, 581008.

Sánchez-Rodríguez I, et al. (2020) Hippocampal long-term synaptic depression and memory deficits induced in early amyloidopathy are prevented by enhancing G-protein-gated inwardly rectifying potassium channel activity. *Journal of neurochemistry*, 153(3), 362.

Kania A, et al. (2020) Electrophysiology and distribution of oxytocin and vasopressin neurons in the hypothalamic paraventricular nucleus: a study in male and female rats. *Brain structure*

& function, 225(1), 285.

Rizzi G, et al. (2019) Synergistic Nigral Output Pathways Shape Movement. *Cell reports*, 27(7), 2184.

Snyder LM, et al. (2018) Kappa Opioid Receptor Distribution and Function in Primary Afferents. *Neuron*, 99(6), 1274.