Resource Summary Report

Generated by dkNET on Jul 29, 2026

A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier

RRID:SCR_018946
Type: Tool

Proper Citation

A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier (RRID:SCR_018946)

Resource Information

URL: https://www.a-msystems.com/p-253-model-1800-2-channel-microelectrode-ac-amplifier.aspx

Proper Citation: A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier (RRID:SCR_018946)

Description: Two channel, differential amplifier by A-M Systems, intended for extracellular recording and/or stimulating with high impedance metal microelectrodes. Used for single cell spike recordings, applications requiring extracellular neurophysiological recording from excitable tissue such as nerve, muscle EMG, EEG, EKG, and ERG recordings. Each channel contains high gain, low noise differential amplifier stage followed by low pass, high pass, and notch filters. Three operating modes are available to accomodate recording, stimulating, and verification of electrode impedance.

Resource Type: instrument resource

Keywords: Differential amplifier, A-M Systems, slice electrophysiology, extracellular recording, high impedance metal microelectrodes, single cell spike recording, neurophysiological recording, amplifier, instrument, equipment

Availability: Restricted

Resource Name: A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier

Resource ID: SCR_018946

Alternate URLs: https://www.a-msystems.com/pub/manuals/1800manual.pdf

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260728T043549+0000

Ratings and Alerts

No rating or validation information has been found for A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier.

No alerts have been found for A-M SYSTEMS: Model 1800 2-Channel Microelectrode AC Amplifier.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Beaus??jour PA, et al. (2024) Olfactory Projections to Locomotor Control Centers in the Sea Lamprey. International journal of molecular sciences, 25(17).

Nayana J, et al. (2024) Repeated finasteride administration promotes synaptic plasticity and produces antidepressant- and anxiolytic-like effects in female rats. Journal of neuroscience research, 102(3), e25306.

Sieu LA, et al. (2024) Slow and fast cortical cholinergic arousal is reduced in a mouse model of focal seizures with impaired consciousness. Cell reports, 43(12), 115012.

Salaka RJ, et al. (2021) Enriched environment ameliorates chronic temporal lobe epilepsy-induced behavioral hyperexcitability and restores synaptic plasticity in CA3-CA1 synapses in male Wistar rats. Journal of neuroscience research, 99(6), 1646.

Subhadeep D, et al. (2021) Exposure to Short Photoperiod Regime Restores Spatial Cognition in Ventral Subicular Lesioned Rats: Potential Role of Hippocampal Plasticity, Glucocorticoid Receptors, and Neurogenesis. Molecular neurobiology, 58(9), 4437.