

Model 3300

Audio Monitor



The Model 3300 Audio Monitor is a high-quality audio amplifier designed to transform electrophysiological signals into sounds. This amplifier features a built-in 6-band audio equalizer that enables the user to tailor the audio performance to their personal satisfaction, a high-fidelity quality speaker, a dedicated notch filter designed to minimize noise interference generated by power lines, a headphone jack, and an BNC line out jack that enables the the Model 3300 to be used as a signal amplifier prior to subsequent processing by other instruments.

The instrument can be placed on a lab bench with its built-in metal stand, or it can be mounted in any industry standard equipment rack.

The Model 3300 Audio Monitor is a cost effective research grade instrument that can easily double for teaching applications.

- 6-band equalizer for custom sound
- Two input signals
- Independent gain amplifier
- Earphone jack silences speaker when used
- Notch filter to eliminate line frequency noise
- Includes rack mount hardware
- 3-year warranty

Specifications

Gain	1 v/v, 10 v/v, 100 v/v
Sensitivity	0.01 V p-p
Input impedance	20 megohms
Max Input (before line-out clips)	10 V / gain
Max Input (before speaker clips)	1.0 V / gain
Frequency Range	100 Hz - 26 kHz
Boost/Cut Frequencies	160, 400, 800, 1600, 3200, 8000
Nominal Boost and Cut	+/- 10 dB

References

Gheshmy A et al. (2007) Afferent input modulates the chronic hypercapnia-induced increase in respiratory-related central pH/CO₂ chemosensitivity in the cane toad (*Bufo marinus*). *J Exp Biology* 210:227-237

Goense JBM and Feng AS (2005) Seasonal changes in frequency tuning and temporal processing in single neurons in the frog auditory midbrain. *J Neurobiol* 65(1): 22-36

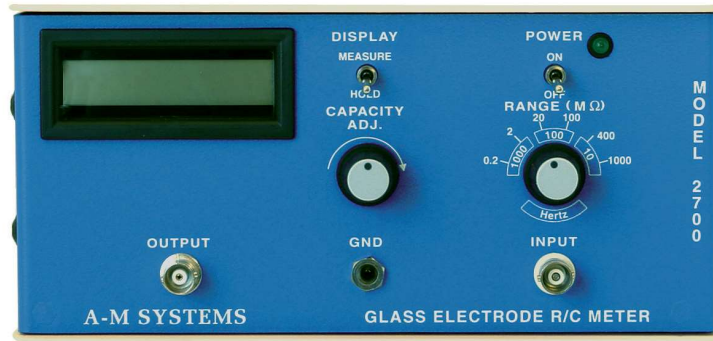
Ordering Information

For use on 220 V / 50 Hz power systems: Product #940005 *Country-specific power cords are not supplied.*
For use on 110 V / 60 Hz power systems: Product #940000

All units include a product manual and rack mounts.

Model 2700

Glass Electrode R/C Meter



The Model 2700 Glass Electrode R/C Meter is a precision instrument for measuring both the resistance and capacitance of glass electrodes. The R/C properties of glass intracellular, extracellular, and ion-selective electrodes can be measured from 10 kohms to 999 megohms. Using capacity compensation, a digital display will indicate the capacitance of your electrode. Monitoring the test signal output can reveal the signal attenuation properties of the electrode under test. The values of the resistance and capacitance are displayed on a digital meter for easy reading.

- Measures Resistance and Capacitance
- Three separate test signal frequencies
- Low Noise
- Includes rack mount hardware
- 3-year warranty

The Model 2700 Glass Electrode R/C Meter can be a critical component that meets your research instrumentation requirements.

Specifications	Resistance Range	10 kohms to 999 megohms
	Capacitance Range	0 - 200 pF
	Test Frequencies	1 kHz, 100 Hz, 10 Hz
	Amplitude	100 mV / p-p
	Input Impedance	10^{13} Ohms

Ordering Information

For use on 220 V / 50 Hz power systems:	Product #870005 <i>Country-specific power cords are not supplied.</i>
For use on 110 V / 60 Hz power systems:	Product #870000

All units include an input cable, product manual, and rack mounts.

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