

FUNCTION GENERATOR PORTABLE

Performance

This versatile unit, when combined with a potentiostat/galvanostat, is extremely powerful in voltammetry, coulometry, automatic polarization, and other studies where external control is needed. Four waveforms can be obtained with simple operations. The ramp slope can be varied from 0.1mV/sec to 5000V/min (83.3V/sec).

This wide range of variation enables precise analysis of corrosion on the electrode surfaces, passivity, and electrode reactions.

Applications:

- * Voltammetry
- * Coulometry
- * Polarization
- * Sound
- * Vibration
- * Resonance

Features

- Low Cost
- High Performance
- Easy to Operate
- Small Size, Light Weight (4.0 kg)
- Easily connects to any potentiostat/galvanostat
- Initial, upper, and lower potentials can be set independently
- Waveforms: Ramps, Triangles
- Scan speed (or sweep rate) range can be chosen from either mV/sec or 100 mV/min

Specifications

Scanning Speed	
(a) Setting 1	X10-1, X1, X10, X10 ² , X10 ³ , X10
(b) Setting 2	1, 2, 5
(c) Setting Units	mV/sec, 100 mV/min
(d) mV/sec	0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10, 2X10, 5X10
(e) mV/min	10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10, 2X10, 5X10, 10, 2X10, 5X10
(f) Setting Accuracy	1% (for X1 ~ X10), 2% (for X10)
Setting Potentials	
(a) Range	-5.000V ~ +5.000V
(b) Setting	Initial, upper, and lower potentials can be set independently (INITIAL, HIGH, LOW)
(c) Setting Accuracy	1% (setting potential) +/-20mV
Waveforms	Ramp One-shot triangle One-shot double triangle Repetitive triangles
Switches	START/STOP HOLD (Output potential drift < +/-0.001 mV/sec) REVERSE
Indicator Lamps	STOP LED START LED HOLD LED UP LED DOWN LED
Power Requirements	AC 115V +/- 10%, 50/60 Hz, Single Phase, 20VA
Physical Dimensions	8.9"(W) X 3.9"(H) X 11.6"(D)
Weight	8.8 lbs. / 4.0 kg



N600-HB111

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