## FUNCTION GENERATOR FOI

ELECTROCHEMISTRY •4 N600-HB305

## APPLICATIONS

- Voltammetry Co
- Polarization Sound
- Vibration
- Resonance



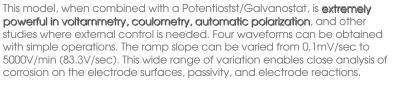


This model consists of a wave form suitable for electrochemistry setting function. It provides **high accuracy and high resolution potential settings**. When taking electrochemical measurements using this potentiostat/galvanostat, it is possible to vary the electric potential/current and set on a sample with a timer. In such cases, it becomes possible to restrict the current and electric potential of various waveforms by connecting the function generator to a potentiostat/galvanostat.

Specifications	
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Output Wave Form	Ramp wave form, CV (chopping wave),
	Square wave, DPV, NPV, Staircase,
	99 step optional wave form
Range of Voltage Set	± 9999 mV
Minimum Set Value	±1mV
Voltage Set Range	± 10V, ± 2V, ± 1V, AUTO
Voltage Accuracy	$\pm 0.05\% \pm 0.5mV$ of set value
Resolution	16 bit (1/32 mV at $\pm$ 1V range)
Scan Speed	0.1 mV/min ~ 9999 mV/sec
Step Holding time	0.01 ms ~ 999.99 min
Maximum Set Cycle	999 (repeats until STOP by 0 setting)
Power Requirement	AC120V, 60Hz
Physical Dimension	200mm x 145mm x 320mm (WxHxD)
Weight	4 kg



- **FEATURES**
- Affordable Lightweight
- Excellent Instructional Instrument
- Easily Connects to any Potentiostat



Scanning Speed	k
(a) Setting 1	X10-1, X1, X10, X10 <sup>2</sup> , X10 <sup>3</sup>
(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, 1x10 <sup>4</sup> , 2x10 <sup>4</sup> , 5x10 <sup>4</sup>
(e) mV/min	10, 20, 50, 100, 200, 500, 1000, 2000, 5000,
	2x10 <sup>4</sup> , 5x10 <sup>4</sup> , 1x105, 2x10 <sup>5</sup> , 5x10 <sup>4</sup> , 1x10 <sup>6</sup> , 2x10 <sup>6</sup> , 5x10 <sup>6</sup>
(f) Setting Accuracy	1% (for x1 ~ x10); 2% (for x10 and beyond)
Scanning 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 < +/-0.001mV/sec)
	REVERSE
Indicator Lamps	STOP LED
	START LED
	HOLD LED
	UP LED
	DOWN LED
Power Requirements	AC120V +/- 10%, 50/60 Hz, Single Phase, 20VA
Physical Dimensions	227mm x 100mm x 295mm (WxHxD)
Weight	4 kg



- Possible to set from PC by USB connection
- External output of Start/Stop function



## • Small Size

- Easy to Operate
- High Performance