

Electric Stimulator

SEN-4100J/K



The SEN-4100 Electric Stimulator continuously outputs short duration and high voltage electric stimulation for evoked potential examination.

- High voltage train stimulation (ex. 500 Hz, Train5) for motor nerve evoked potential measurement.
- Can be used with Nihon Kohden Neuropack series during operation to measure intraoperative motor nerve function.
- Can be used for brain/spinal cord function examination in neurosurgery, orthopedic surgery, and cardiovascular surgery.



Specifications

Stimulation Output

Voltage Settings	0 V to 1,000 V in 10 V steps
Amperage	MAX 1 A (at 1 kΩ load)
Pulse Width	50 μs ± 10 μs rectangular wave
Output Impedance	120 Ω or less

Stimulation Modes

Normal ON	
Output Limit	At 1,000 V: 3 pulses At 510 V: 6 pulses At 350 V: 9 pulses
Pulse Interval	1.0 to 9.9 ms 0.1 ms increments
Normal OFF	

Stimulation Polarity

Polarity Switch	Positive/Negative Polarity
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Trigger Input

Amplitude	≥ 2.4 V
Pulse Width	≥ 50 μs

Trigger Output

Amplitude	≥ 3.6 V
Pulse Width	About 1 ms

Power Rating

Voltage	SEN-4100J: 100 V to 120 V AC SEN-4100K: 220 V to 240 V AC
Frequency	50/60 Hz
Power Input	15 VA

Dimensions and Weight

Dimensions	160 (W) × 127 (H) × 200 (D) mm (Not including projecting parts)
Weight	About 3 kg

Standard Accessories

Description	Q'ty
Power cord	1
Stimulation Electrode (NM-413B) Red/Black	1 each
Extension Cord (BM-411B)	1
Trigger in/output Cord (2 m)	1
Fuse (250 V AC/0.25 A Time lag, Little 218.250)	2

Options

Description	Model/Code
Foot Switch	RY-410B
MEE-SEN Connection Cable	JW-120B
MEE-MEB Connection Cable	JW-230B
Extension Cord, BM-412B	K632
Adapter Cable, BM-400B	K631

This brochure may be revised or replaced by Nihon Kohden at any time without notice.



NIHON KOHDEN CORPORATION
1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan
Phone +81 (3) 5996-8036 Fax +81 (3) 5996-8100
www.nihonkohden.com