

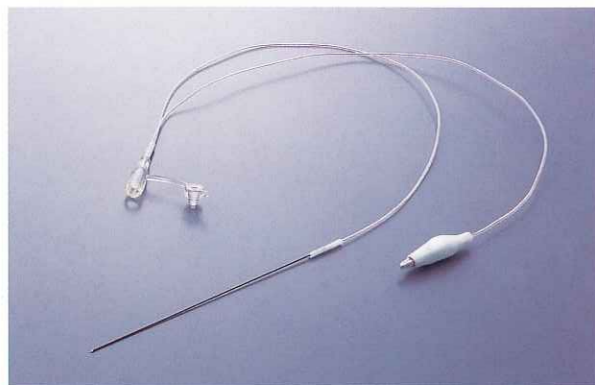
TOP Nerve Stimulator NT-11



Specifications

Description	TOP Nerve Stimulator NT-11
Model	NT-11
Output waveform	Bipolar rectangular wave Stimulation frequency 1 Hz (1 stimulation per second), 2 Hz (2 stimulation per second), 4 Hz (4 stimulation per second)
Output current range	When current intensity selected is "H": 0 to 20 mA (accuracy: $\pm 10\%$) When current intensity selected is "L": 0 to 5 mA (accuracy: $\pm 10\%$) (at load resistance of 10 Ω to 10 k Ω)
Frequency (of stimulation)	1 Hz, 2 Hz, 4 Hz (accuracy: $\pm 1\%$)
Pulse width	0.1 ms, 0.3 ms, 1.0 ms (accuracy: $\pm 15\%$)
Display	Liquid-crystal display: Indicates current value. When battery voltage is low, displays "LO BAT". Current intensity indicator: Indicator for selected current intensity flashes on and off in synchrony with frequency of stimulation. Pulse width indicator: Indicator for selected pulse width lights up. Stimulation frequency indicator: Indicator for selected frequency of stimulation lights up.
Speaker sound	Emits sound synchronously with frequency of stimulation. Tone of sound rises in proportion with output current.
Alarms	Low battery, Current limiting function
Operating conditions	Ambient temperature: +5°C ~ +40°C; Relative humidity: 20 ~ 90% (without moisture); Atmospheric pressure: 70 ~ 106 kPa
Transport & storage conditions	Ambient temperature: -10°C ~ +45°C; Relative humidity: 10 ~ 90% (without moisture); Atmospheric pressure: 50 ~ 106 kPa
Power supply	9 V alkaline battery (6LR61) \times 1
Classification	Internally powered equipment, type BF, IPX1 (drip-proof)
External dimensions	80(W) \times 125(H) \times 30(D) mm
Weight	Approx. 180 g (the main body only)
Accessories	Stimulation probe \times 1, Conductive gel pads \times 4 (1 pac), Positive pole lead wire \times 1, Negative pole lead wire \times 1, Power/current adjustment knob \times 1, Alkaline battery (6LR61) \times 1, Operation guide \times 1
Options	Conductive gel pad 20pcs./box, Stimulation probe 1pc, Positive pole lead wire 1pc, Negative pole lead wire 1pc

For Transcutaneous Nerve Block Therapy



TOP NEUROPOLE Needle for Regional Anesthesia

Product name	Gauge	Needle length(mm) Teflon coating	Cutting edge(mm)	Package
ST	0.63mm (23G)	30	1	10pcs./ box
		50		
		60		
		100		
		150		
				600pcs./ carton
				480pcs./carton

●Specifications and appearance are subject to change without prior notice due to product improvement.



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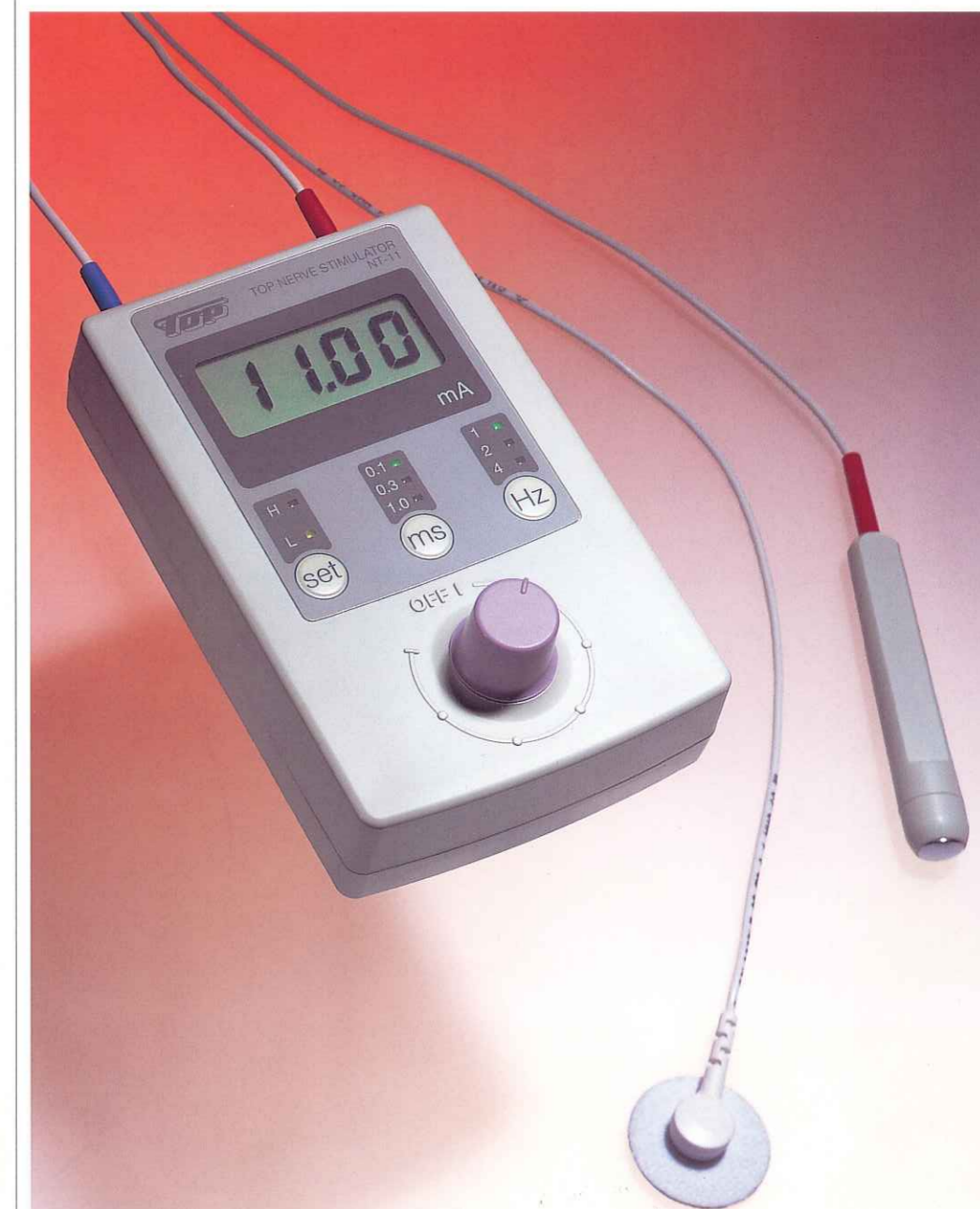
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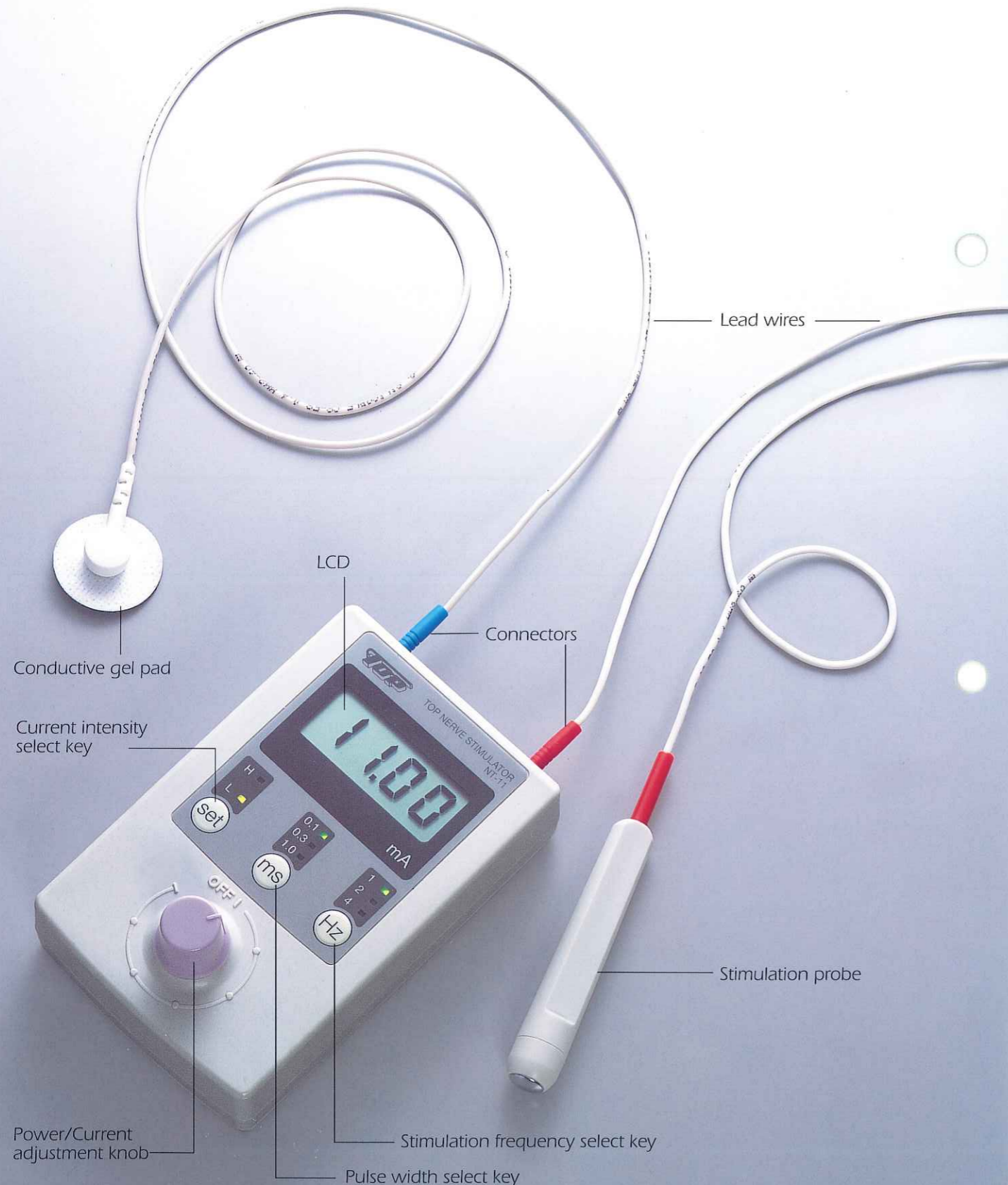
TOP Nerve Stimulator NT-11

Advanced ease of use
when locating nerve stimulus points.

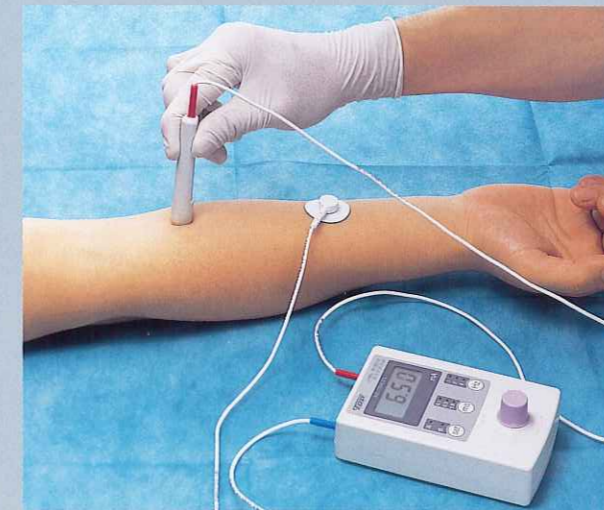


TOP Nerve Stimulator NT-11

The large display and audible change in stimulus frequency allow nerve tracing and transcutaneous nerve blocking to be smoothly carried out.

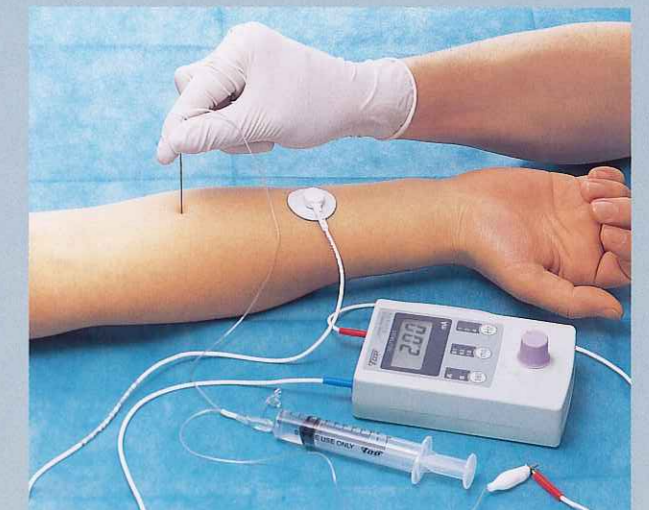


Nerve Tracing
(using stimulation probe)



Set current intensity to "H"

Transcutaneous Nerve Blocking
(using TOP NEUROPOLE Needle ST)



Set current intensity to "L"

An electrical stimulator for applying electrical stimuli to the nerves and muscles of the arms and legs, and locating nerve stimulus points based on responses to stimulation.

Better Ease of Use

With the large digital liquid-crystal display, the electrical current value is visible at a glance. Moreover, the speaker sound generated synchronously with the stimulus frequency (Hz) has a tone which rises in proportion to the magnitude of the output current, making it possible to "hear" the relative strength of the electrical current.

Changing a Setting is as Simple as Pressing a Switch

Settings are easy to change. Simply press "set" to change the current intensity, "ms" to change the pulse width of the output waveform, and "Hz" to change the frequency of stimulation by the output waveform.

Connectors are Designed to Prevent Electrical Shock

The lead wires are coated with a soft silicone resin. The connectors which plug into the unit have an electric shock-preventing construction that keeps the electrode elements in the unit from becoming exposed even if the connectors are partially dislodged.

Stimulation Probe is Easy to Hold

The probe has an overall shape that makes it easy to grip. Plus the probe tip is smooth, allowing nerve tracing to be carried out while sliding the tip over the surface of the skin.

Hypoallergenic Conductive Gel Pad

Uses a gel that sticks easily to the skin and is hypoallergenic.



- The power/current adjustment knob can be removed and washed to keep it clean.
- Vertically symmetrical biphasic hyperbolic square waves are used so as not to allow polarity to arise at the probe-living tissue interface.