

Always  
a step  
ahead...

# NT500 Radiofrequency Lesion Generator

The new NT500 RF Lesion Generator is a low-cost yet full-featured device. It weighs just under 15lbs and fits into a handy over-the-shoulder carrying case making it the most portable RF generator on the market. Its sleek intuitive design makes it easy to use allowing you to execute RF procedures very quickly, with minimal staff orientation.

## Economical

The NT500 provides the most functionality for the lowest price, making it the most economical RF lesion generator on the market.

## Portable

Working at multiple facilities in the same week or day? The NT500 is small and lightweight enough to easily take with you wherever you go.

## Easy-to-Use

The new intuitive design allows you to perform your RF procedures with minimal orientation both in continuous and pulsed RF modes.

## Pulsed RF or Pulse Dose™

The NT500 is available with continuous thermal RF and a choice of either Pulsed or Pulse Dose™ RF modes.

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### Dimensions

12 x 6.5 x 14.5 inches (30 x 16 x 36.5 cm)  
14.8 lbs (6.75 kg)

### Impedance Monitor

Digital Display 0-2000 ohms (in 1 $\Omega$  steps)  
Reads biological impedance in standby mode

### Temperature Monitor

Automatically adjusts RF power to not exceed set temperature  
Set for RF 70, 80, 90°C  
Range 30-100°C

### Stimulation

Voltage Amplitude 0-3 volts (in 0.01V steps)  
Pulse Rates 2, 50, 100 pulses/sec (Default setting: 50Hz for 110V, 100Hz for 230V)  
Pulse Width 1 mSec  
Wave Form Biphasic pulses. Negative pulse leading

### Lesion Mode

Power Output Continuously variable.  
25 watts maximum into 200 $\Omega$   
RF Frequency 480KHz ( $\pm$  10%) sine wave  
Voltage Range 0-90V  
Current Range 0-800mA  
Audible Tone 2s tone when lesion complete

### Timer/Count

Time set button cycles timer through 30, 60, 90, 120, 240s. Count set cycles through 120, 240, 360, 480 counts. Default timer settings are 60s for lesion and 120s for pulsed. Default count setting 240. Pressing start initiates timing/counting.

Pulsed RF/Pulse Dose RF bursts of 20ms at a frequency of 2Hz  
Pulsed RF Temp Limit 42°C (changable to no limit)  
Pulse Dose Limit 42°C

### Patient Connections

Standard four-pin lemo for the active connection  
Standard 4mm shrouded banana jack for the reference connection

### Safety Features

RF power cannot be delivered unless the RF Power Control is first set to the OFF position.

Lesion power also will be cut off if the measured temperature exceeds 95°C or if the system detects a short circuit or low patient impedance.

### Standards

UL 60601-1  
IEC60601-1  
CAN/CSA C22.2  
No. 6011 and  
IEC60601-2-2

### Warranty

One year

### Accuracy

Temperature  $\pm$ 3°C using standardised electrodes  
Pulse Rate  $\pm$ 5% in stimulation mode  
Lesion Accuracy  $\pm$ 10% voltage, current, frequency

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