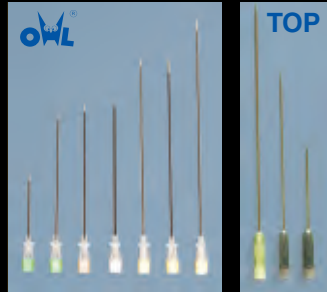


## Accessories:



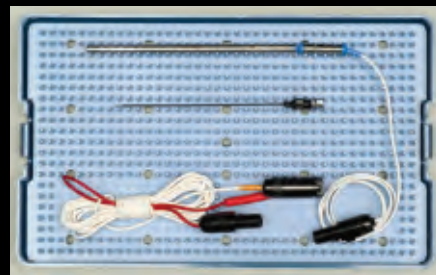
### RF Probes

- Various lengths and gauges color coded to facilitate gauge identification
- NEW!! Sterile Single-use (disposable) RF Probes



### RF Cannulae

- Various lengths, gauges and tip configurations
- Color coded to facilitate gauge identification
- Sure-grip hub
- Sterile Single-use (disposable)



### Pain Management and Neurosurgery Sets

- Facet Denervation (Various Lengths)
- Gasserian Ganglion
- Cordotomy
- DREZ
- Intracranial
- Brain Lesion

## Generator Specifications

### IMPEDANCE

- Range: 0-5000 ohms
- Constantly Monitoring biological Impedance.

### STIMULATOR

- Pulse Repetition Rate: 1, 2, 5, 10, 20, 50, 100, 200 Hz
- Pulse Duration: 0.1, 0.2, 0.5, 1, 2, 3 ms
- Constant Voltage Mode: 0-10 V
- Constant Current Mode: 0-10 mA
- Pulse Shape: Balanced biphasic

### LESION

- Power: 0-50W
- Frequency: 480 KHz
- RF Volts: 0-150 V rms
- RF Mode Conventional RF: Continuous
- RF Mode Pulsed RF: 1-10 Hz  
5, 10, 20, 30, 50, 100 ms
- Bipolar Lesioning: Dual Temp
- Intradiscal Annuloplasty: IDET™, discTRODE™
- Built-in Comprehensive Probe/Electrode, Temperature, Power, and Cable Tester.

### DUAL CHANNEL TEMPERATURE MONITOR

- Thermistor and/or Thermocouple: + / - 3°C
- Range: 20°-110°C, + / - 3°C
- Automatic and Manual Temperature Control

### TIMER

- Range: 0-30 MINUTES

### CONTROLS

- Color VGA Screen, USB, Ethernet, Footswitch
- OPERATING VOLTAGE: 100VAC - 240VAC, 50-60 Hz
- All patient connection terminals are transformer isolated

### PHYSICAL CHARACTERISTICS

- Cabinet: Light gauge aluminum, off-white powder coat paint
- Dimensions: 6" (15 cm) high x 14" (35 cm) wide x 15" (38 cm) deep
- Weight: 17 lbs (7.5 kg)
- Accuracy: + / - 5% unless otherwise specified

CAUTION: FDA (USA) law restricts this device to sale by or on the order of a physician

MANUFACTURED BY: DIROS TECHNOLOGY INC.

DISTRIBUTED BY:

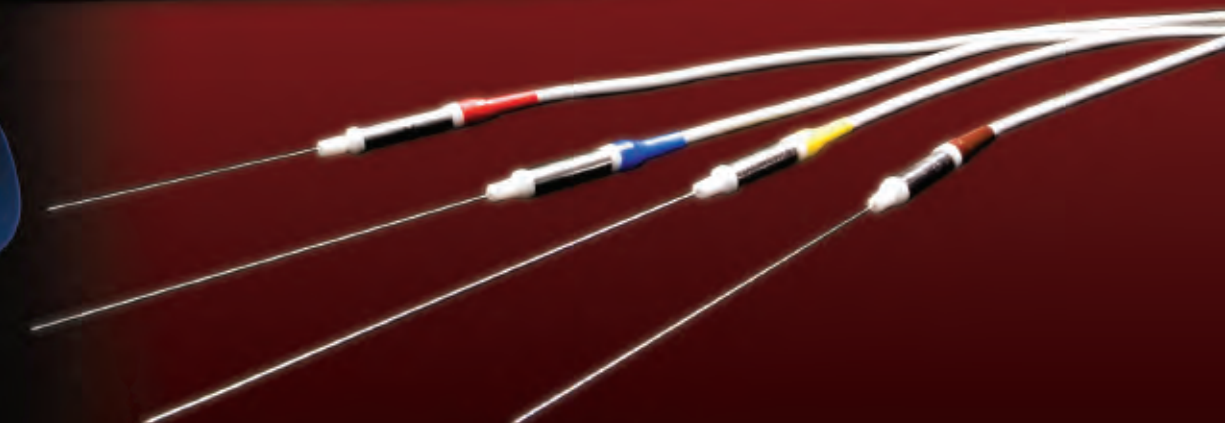


Diros Technology Inc. reserves the right to change specifications or to incorporate design changes without further notice and without incurring any obligations relating to equipment previously manufactured or delivered.

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D042 Rev. 1.0, 2007

# OWL Universal Radiofrequency Generator URF - 3AP

- ✓ Stimulation
- ✓ Standard RF Auto/Manual
- ✓ Pulsed RF Auto/Manual
- ✓ DiscPlasty 1 Intradiscal Lesioning
- ✓ DiscPlasty 2 RF Annuloplasty



**Diros Technology Inc.**  
**RF Pain Management  
& Neurosurgical Solutions**

dirostech.com



dirostech.com



# Universal Radiofrequency Generator URF-3AP

## STIMULATION

- Ability to verify cannula placement using sensory and motor stimulation
- Ability to adjust stimulation rate and pulse duration
- Ability to toggle between two frequently used stimulation frequencies
- Impedance and audio tones available to assist with probe placement
- Graphic confirmation of stimulation output



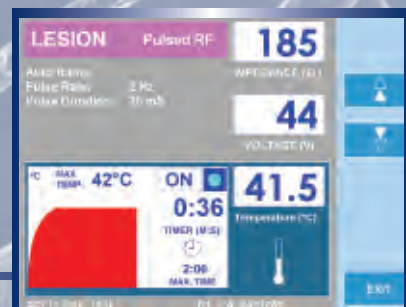
## LESION CONTINUOUS RF

### AUTOMATIC CONTROL

- Ability to automatically deliver RF by adjusting voltage while maintaining the preset temperature
- All parameters are measured and displayed
- Impedance and audio tones available
- Real-time graphical display of elapsed time and temperature throughout all procedures

### MANUAL MODE

- Ability to manually control lesion process
- Freedom to control RF output under continuous "SMART" supervision from the URF-3AP



## LESION PULSED RF

### AUTOMATIC CONTROL

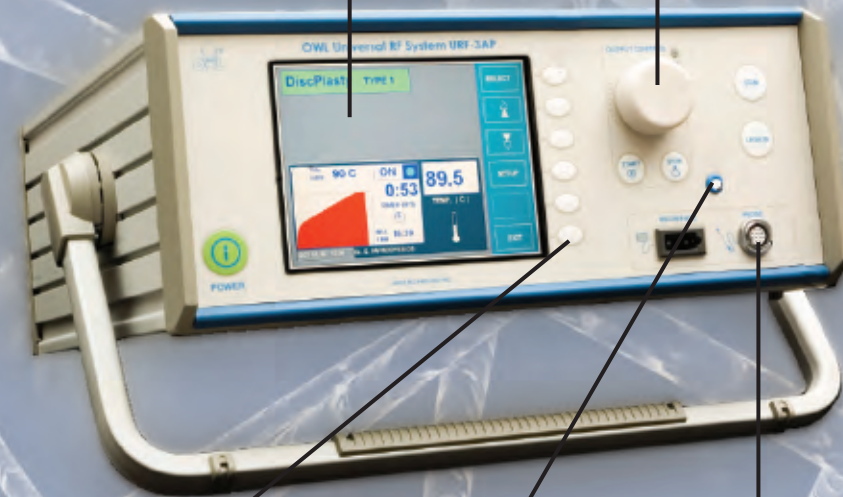
- Ability to automatically deliver RF by adjusting voltage while maintaining the preset temperature
- All parameters are measured and displayed
- Availability of various pulse duration and pulse rate settings
- Impedance and audio tones available
- Real-time graphical display of elapsed time and temperature throughout all procedures

### MANUAL MODE

- Ability to manually control lesion process
- Freedom to control RF output under continuous "SMART" supervision from the URF-3AP

CLEAR DISPLAY SCREEN

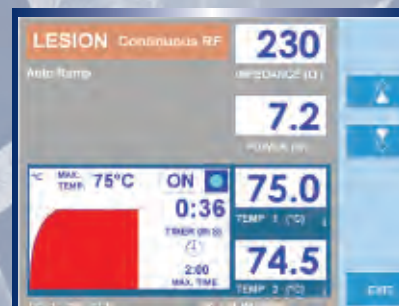
STERILIZABLE OUTPUT CONTROL KNOB



EASY TO USE SOFT KEYS

UNIQUE PROBE TEST JACK

"SMART" PROBE CONNECTOR



## BIPOLAR RF LESIONING

### AUTOMATIC CONTROL

- Ability to use two probes to produce bipolar RF lesions
- Impedance and audio tones available to assist with probe placement
- Real-time graphical display of elapsed time and temperature throughout all procedures

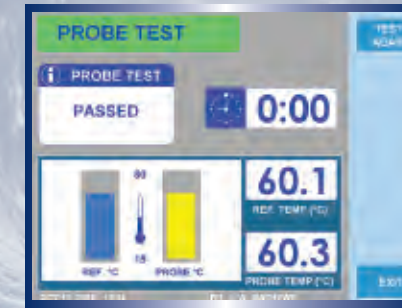
### MANUAL MODE

- Freedom to control lesion process under continuous "SMART" supervision from the URF-3AP



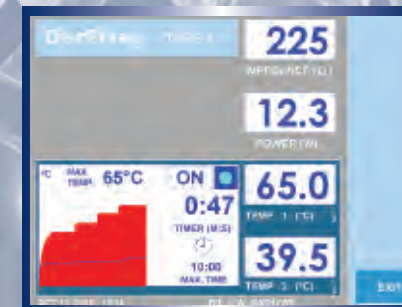
## MULTIPLE USER CAPABILITY

- Ability to select and secure up to five different users for the device
- Ability to store, retrieve and edit data for multiple users
- User-friendly screen navigation capability allowing for user profile and password management
- USB storage and print-out capability



## PROBE TEST

- Unique capability to test RF probes and cables for proper functionality
- Test also measures accuracy of probe temperature against internal reference
- Clear on-screen displays indicate progress of probe test and pass or fail grade



## DISCPLASTY 2 - RF ANNULOPLASTY

- Flexible settings to allow choice of temperature profile
- Two temperature readings are displayed monitoring RF Annuloplasty probe tip temperature and tissue temperature
- Impedance and audio tones available to assist with probe placement
- Compatible with RF Annuloplasty device discTRODE™



## DISCPLASTY 1 - INTRADISCAL LESIONING

- Programmable heating profile
- Compatible with IDET™