

Figure 1. Model RF302 - Isometric View


ELECTROSURGERY UNIT (ESU) PERFORMANCE RECORD		
Model	Serial No. _____	
Tested By	Date _____	
Load	Output In Watts	
ESU Setting	Cut	Coag
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
Isolation Test: <input type="checkbox"/> O.K. <input type="checkbox"/> Not Satisfactory		
Heavy Load Test Output: _____		
Low Frequency Output: <input type="checkbox"/> Negligible <input type="checkbox"/> Not Satisfactory		
Tag RF3R		
 <p>DEPARTMENT OF DEFENSE WASHINGTON, DC 20315 TW 112: 675 1111</p>		

Figure 2. RF3R Tag

SPECIFICATIONS

Selectable Loads and Ranges (Monopolar and Bipolar)

Load (Ohms)	Range (Watts)
50	50
100	100
100	300
200	300
300	300
400	500
500	500

Isolation Test Range:	0 - 50 Watts with 200-Ohm Load from Patient Plate, Active Electrode, and Chassis
Current Range:	0 - 500 mA
Return Fault:	150 picofarads
Frequency Response :	0 - 5 MHz
Frequency Response:	(Filter Pushed) 0 - 50 kHz
Load Accuracy:	$\pm 2\%$ at 50 ohms $\pm 1.5\%$ at 100 ohms $\pm 1\%$ 200 to 500 ohms
Meter Accuracy:	$\pm 2\%$
Power Output Accuracy:	$\pm 5\%$ (Calibrated in Watts)
REM Test:	Normal 24.6 Ohm Resistance, 137.0 Ohms with REM Switch Activated
Oscilloscope:	Isolated (Uncalibrated)
Power Requirements:	None
Measuring Technique:	RF Thermocouples
Weight:	5.4 kg (12 lbs)
Dimensions:	28 cm X 23 cm X 18 cm (11" X 9.1" X 7")

ACCESSORIES

<u>Description</u>	<u>Quantity Supplied</u>	<u>Bio-Tek Part Number</u>
Complete Set of Leads	—	3020600
Red Lead	1	—
Black Lead	2	—
White Lead	1	—
Green Lead	1	—
Large Clamp	1	7770014
Alligator	3	48009
RF3R Tags	100	93008
User's Guide	1	3021005
Ground Adapter	1	48005
Fuse	5	46012
Warranty Card	1	—

NOTE: Figure 3 on the following page shows the various accessories provided with the Model RF302.

INSTALLATION

Operating Precautions - Refer to the manual's inside front cover for precautions that must be followed to ensure the safety of the RF302 operator.

Unpacking Instructions - Inspect the RF302 for cracks or scratches on either the panel or the case. Check the meter needle to ensure that it is intact. Carefully inspect the handle to assure that it is firmly attached to the case. If any damage is found, call BIO-TEK Instruments immediately at: 1 (800) 451-5172.

Preparations for use - Find a relatively level surface on which to place the RF302. Unlatch the locks on the unit and place it facing the operator so that the meter scale can be easily read.