

## SECULIFE | ES<sup>PRO</sup> Electrosurgical Analyzer

3-349-763-03  
1/9.13

SECULIFE ES<sup>PRO</sup> for functional testing of  
Electrosurgical equipment

- mV, mV Peak, mA, Crest Factor and Wattage Displays
- Internal data storage for three full ESU waveform data sets
- Large graphical display & cursor selection of options and setup of parameters
- Smallest & Lightest weight ESU
- Digital Data Output Via USB und RS232
- 1% reading level of uncertainty
- User Selectable Data Display Screens



### Specification

Der SECULIFE ES<sup>PRO</sup> has been designed to be used in conjunction with an external RF Current Transformer and external precision load resistors to measure various parameters relating to the routine service of Electrosurgical Generators.

The SECULIFE ES<sup>PRO</sup> is microprocessor based and utilizes a combination of unique hardware and software to provide accurate and reliable test results.

### DFA™ -Technology

A revolutionary new method of measuring ESU generator output power. A high-speed analog to digital converter is used to digitize the high frequency, high power output of the ESU generator. An RF Current Transformer is used to convert the current signal to a voltage signal, which is read by the A/D Converter.

By digitizing the signal a more accurate, frequency independent measurement can be made.



### Purchase parts

- 1 Operating Instruction

# SECULIFE | ES<sub>PRO</sub>

## Electrosurgical Analyzer

### Technical Data

Device:

Display	LCD Graphical 128 x 64 pixels
Construction	8.6 x 23.1 x 20.3 cm/ABS Plastic
Weight	≤ 3 lbs. (1.36 kg)
Face Plate	Lexan/Back printed
Operating Range	15 to 30 °C
Storage Range	-40 to 60 °C
Setup Memory	EEPROM, All Parameter
Power Consumption	EIN: less than 150 mA AUS: less than 40 µA
Power Supply Adapter	6 V DC, 500 mA

Measuring:

Input Compatibility	
RF Current Transformer	50 Ohm
RF Current Transformer	0.1:1 / 1:1 free to choose by user

Input Voltage Range		Calculated Ranges	
Voltage (RMS)	2.0 – 700.0 mV RMS	Strom (with 0,1:1 CT)	700.0 mA RMS
Input Resolution	0,1 mV RMS	Resolution	0.1 mA
Voltage (Peak, Peak-to-Peak)	1000,0 mV	Current (with 1:1 CT)	70.00 mA RMS
Resolution	0.1 mV	Resolution	0.01 mA
Frequency	10 kHz - 10 MHz	Wattage	999.9 Watt
		Resolution	0.1 Watt
Accuracy	0.5 mV, ≤ 50 mV 1% reading, > 50 mV, up to 1 MHz 3% reading, > 50 mV, 1 to 10 MHz	Crest Factor	1.4 to 500
		Resolution	0.1
Maximum Input Voltage	33 V p-p internally Protected		
Input Impedance	50 ohms		

### Ordering information

Description	Type	Order number
Electrosurgical Analyzer	SECULIFE ES <sub>PRO</sub>	M695B

For more information on accessories, see

- [www.gossenmetrawatt.com](http://www.gossenmetrawatt.com)

Edited in Germany • Subject to change without notice • A PDF version is available on the Internet