



**BIO SANCTA**

Metrología Biomédica

Dios ama lo justo y recto

# ANALIZADORES DE ELECTROCIRUGÍA



## ESU 2050

### Características básicas ESU 2050

- Lectura real RMS
- Exactitud de 1% de la lectura
- Mide mV, mV pico, mA, factor de cresta y potencia
- Interfase USB y RS 232
- Compatible con transformadores de corriente de 1:1 ó 0.1:1 de relación con voltaje.
- Modo gráfico para mostrar y almacenar formas de onda



**REQUIERE TRANSFORMADOR DE  
CORRIENTE Y RESISTENCIAS DE  
CARGA**

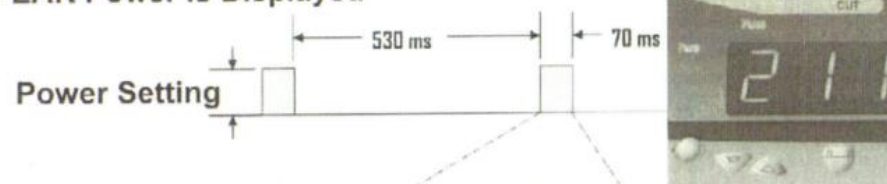
## ESU 2050P



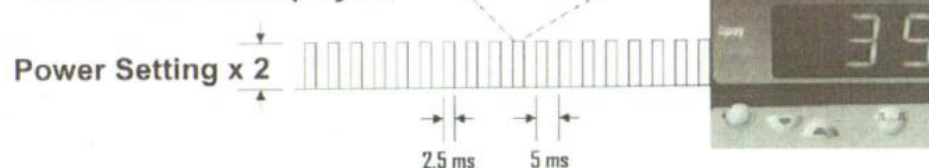
## Características adicionales ESU 2050P

- Medición de onda RF pulsada

**PULSE CUT:**  
PEAK Power is Displayed



**PULSE COAG:**  
AVG Power is Displayed



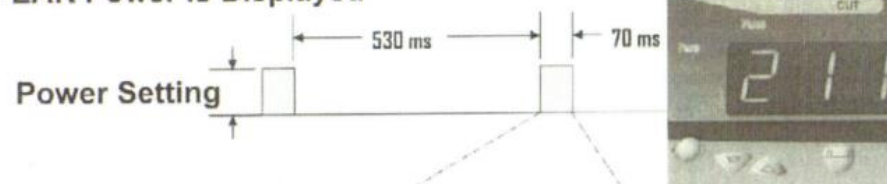
## ESU 2050P



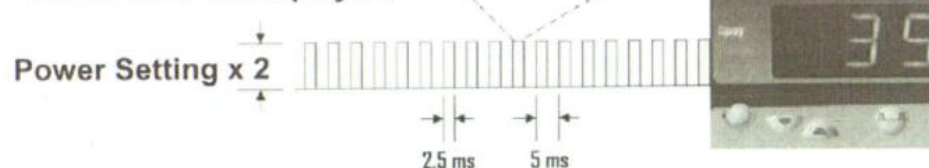
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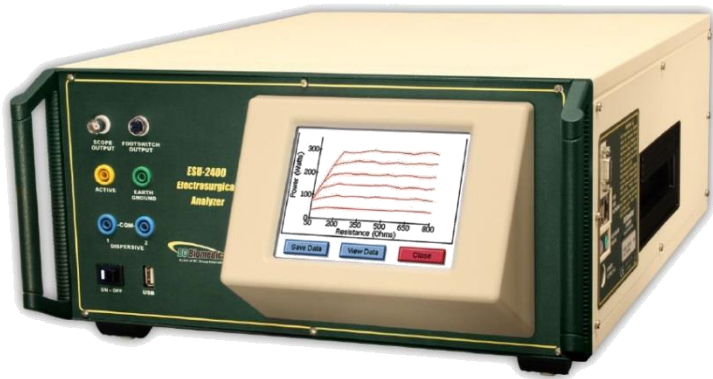
## ESU 2300



### ESU 2300 Características principales

- Lectura RMS verdadero
- Exactitud de 2.5% de la lectura sobre corriente RF
- Mide mV, mV pico, mA, factor de cresta, Potencia
- Cargas internas de 50 a 750  $\Omega$
- Velocidad variable de ventilación para enfriamiento de cargas internas
- Compatible con cargas externas
- Interfase a PC RS232 y USB
- Medición de fugas de corriente RF a través de resistencia de 200  $\Omega$
- Batería interna recargable

## ESU 2400

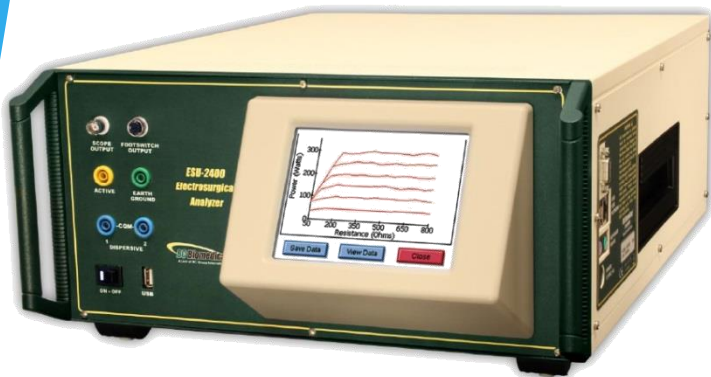


### ESU 2400 Características básicas

- Lectura RMS verdadero
- Exactitud de 1% de la lectura
- Mide mV, mV pico, mA, factor de cresta, Potencia
- Pantalla táctil a color
- Interfase de red para acceso remoto
- Interfase a PC USB
- Interfase RS-232 con equipo bajo prueba
- Modo gráfico para mostrar y almacenar formas de onda



## ESU 2400



### ESU 2400 Características adicionales

- Interfase de interruptor de pie para disparar el equipo bajo prueba
- Cargas internas de 0 a 6400  $\Omega$
- Compatibilidad con cargas externas
- Ventilador doble con velocidad variable para enfriamiento de las cargas
- Portátil
- Compatible con USB estándar

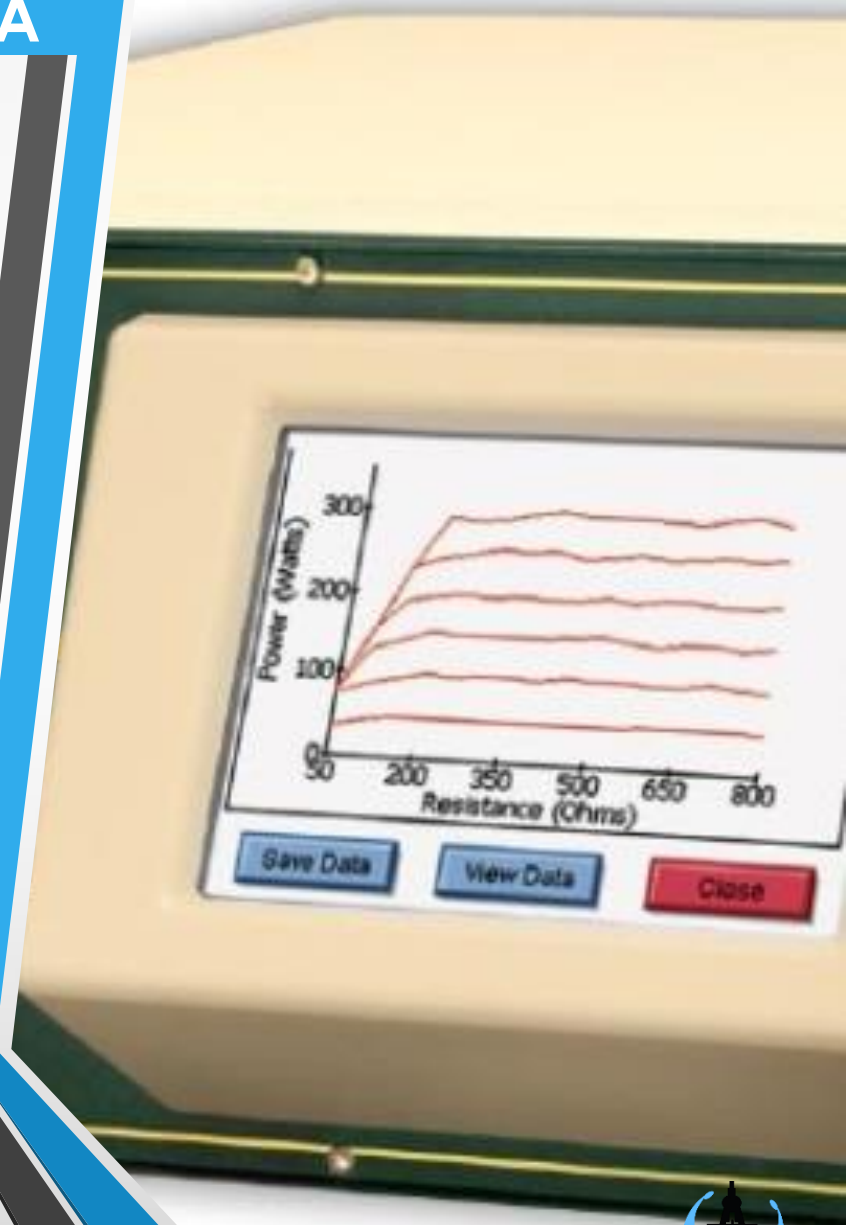
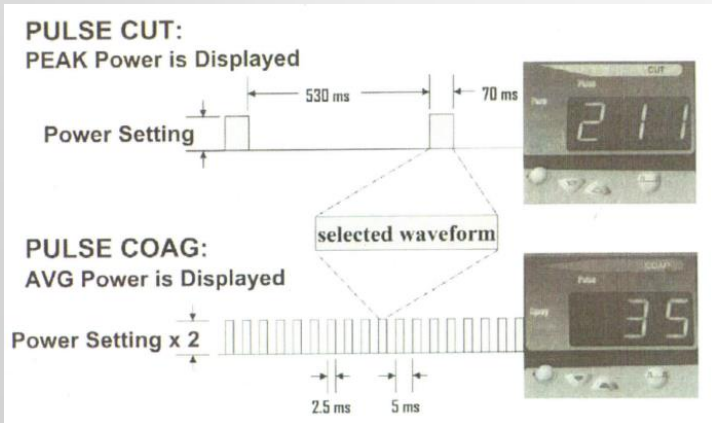
# ANALIZADOR DE ELECTROCIRUGÍA

## ESU 2400



### ESU 2400 Características adicionales

- Modo de prueba de fugas de corriente
- Auto secuencias
- Medición de formas de onda de RF pulsadas





# ANALIZADOR DE ELECTROCIRUGÍA

## ESU 2000A



## Características básicas

- Pantalla análoga grande de 4 $\frac{1}{2}$ "
- Exactitud  $\pm 5\%$  FS
- Prueba de contacto de retorno
- Prueba de potencia de RF
- Prueba de corrientes de fuga RF
- Portátil, no requiere conexión AC ni baterías
- Salida aislada para osciloscopio
- Ancho de banda de 0-10 MHz

# COMPARATIVO ENTRE ANALIZADORES ELECTROCIRUGÍA

ITEM	BC BIOMEDICAL ESU-2400H	BC BIOMEDICAL ESU2400	BC BIOMEDICAL ESU2050P	RIGEL UNITHERM	FLUKE BIOMEDICAL QA-ESIII
1% Measurement accuracy	Included	Included	Included	Not Available	Not Available
Current Measurement Method	Included	Included	Included	Included	Included
1 Ohm Load Resolution	Included	Included	Not Available	Not Available	Not Available
Tissue Response Simulation	Optional	Optional	Not Available	Not Available	Not Available
High Crest Factor	Included	Included	Included	Not Available	Not Available
1% REM/CQM/ARM Accuracy	Included	Included	Optional	Not Available	Not Available
Basic Pulsed Mode Measurements	Included	Included	Included	Not Available	Not Available
Advanced Pulsed Mode Measurements	Included	Not Available	Not Available	Not Available	Not Available
Fully Automated PM Procedure for ForceTriad 101 steps	Included	Included	Not Available	Not Available	Not Available
Communication with DUT	Included	Included	Not Available	Not Available	Not Available
Required loads for ForceTriad Autobipolar Testing	Included	Included	Not Available	Included	Not Available
Touch Screen	Included	Included	Not Available	Not Available	Not Available
Automated Software Update through web interface	Included	Included	Not Available	Not Available	Not Available
Networking ability for virtually unlimited data storage	Included	Included	Not Available	Not Available	Not Available
Can save test results to PDF format locally for maximum stand-alone operability	Included	Included	Not Available	Not Available	Not Available