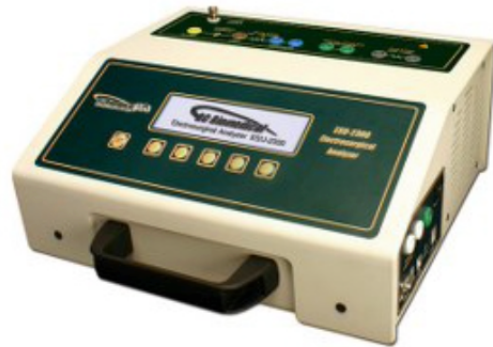


ESU Analyser Series

Features - ESU-2300



Features - ESU-2300

Measurements via Industry Standard Current Sensing Method

Built-In RF Current Transformer (Pearson® Coil)

True RMS Readings Using DFATM Technology

Performs Output, RF Leakage & CQM Tests

Main Test Loads from 50 to 750 Ohms

External Test Loads Supported

Auxiliary Test Load – 200 Ohms

Independent Variable CQM Test Load – 1 to 500 Ohms

Non-Inductive Internal Load Resistors

Graphical Display with Backlighting & Simultaneous Details of Parameters & Scrolling Option Control

Bright-White Display Backlight

Rechargeable Battery or Line Powered Operation

Isolated Oscilloscope Output

Full Remote Operation

USB & RS232 Serial Ports

Digital Battery Monitor

Flash Programmable, Field Upgradeable

Tactile Keys With Audible Feedback

The ESU-2300 Analyser is for users who prefer a conventional instrument with internal, selectable test loads. Utilising the same Patent-Pending DFATM Technology as our new ESU-2050, and ESU-2400, the ESU-2300 uses industry standard current sensing technology rather than relying on less accurate voltage measurement techniques offered by some competitive products.

The ESU-2300 uses advanced ultra-high-speed waveform sampling techniques to accurately analyse even the most complex electrosurgery generator waveforms. You can easily analyse Coag waveforms like Desiccate, Fulgurate or even Spray with the same accuracy as pure sinusoidal Cut waveforms. RMS current (ma) and power (watts) can be easily read from the large LCD graphical display. A whisper quiet fan keeps the internal non-inductive load resistors running cool.

Added features like CQM Testing, RF Leakage Current measurement, a Rechargeable Battery, USB and RS232 com ports, BNC output, universal power supply and the ability to easily update the instrument's firmware in the field via our unique Flash Update Utility Software put the ESU-2300 in a class of its own.



Specifications

Method	Measurement Industry Standard Current Sensing, using RF Current Transformer (Pearson Coil)	Enclosure	Physical 6.0" x 13.5" x 12.0" High Impact Plastic, UL 94 V-0 Face-Lexan, Back Printed
Range Resolution Accuracy	Power 1.0 to 400.0 Watts RMS 0.1 Watts ± 5% Reading or ± 3 Watts (whichever is greater)	Weight	< 17 lbs (7.7 kg)
Range Resolution Accuracy	Current 20 to 2500 mA RMS 1 mA ± 2.5% Reading or ± 15 mA	Power Supply	Electrical Kycon 3 position locking connector 9 VDC 3A Output
Bandwidth Crest Factor Voltage	Limits 10 kHz to 10 MHz 1.4 to 500 10,000 V Peak	Voltage Frequency Battery	83 to 264 VAC 47 to 63 Hz Sealed Lead Acid 6 VDC, 7.2 AH
Main Test Load Range Resolution Accuracy Duty Cycle	Loads 50 to 750 Ohms 50 Ohms ± 1% (DC) 50% (1 minute Period)	Display Resolution Ventilation	General LCD Graphical 256 x 64 Pixels, Backlight Internal Fan, variable speed Over temperature protected Fan rotor sensor
Auxiliary Test Load Fixed Accuracy Rating	200 Ohms ± 1% (DC) 225 Watts	Oscilloscope Output	Isolated (uncalibrated), BNC Connector
CQM Test Load Range Resolution Accuracy	1 to 500 Ohms 1 Ohms ± 2% or ± 2 Ohms (whichever is greater)	Setup Memory Memory Retention Operating Range Storage Range Humidity Limit Connections	EEPROM, All Parameters 10 years w/o Power 15 to 35 Degrees C -20 to 60 Degrees C 90% Non-Condensing Oscilloscope: BNC Communications USB, DB9 Loads: 4mm safety sockets

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