

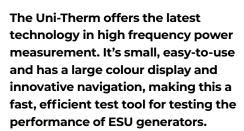


High current electrosurgical analyzer









Compliant with IEC 60601-2-2, the Uni-Therm electrosurgical analyzer is capable of verifying and calibrating all major electrosurgical generators whilst guiding the user through all test procedures automatically and most of all safe.

Why buy the Uni-Therm?

- > Automatic manufacturer specific test procedures
- > Onscreen power profile analysis
- > Full colour screen user interface
- > Comprehensive data management facilities

Key Features:

- > High Frequency leakage tests
- > Power distribution from 5 to 5115 Ω
- > Current measurement up to 6A RMS continuous
- > Return plate alarm test (REM/CQM)
- > On-board automation and data capture

Passionate about patient safety.

T: +44 (0) 191 587 8730 E: sales@rigelmedical.com



See the **Uni-Therm** for yourself, request your FREE live online demonstration today at **rigelmedical.com/Uni-Therm**







What's in the box?

- >Rigel Uni-Therm
- > Calibration Certificate
- > Mains Power Lead
- > USB Lead
- > 3 x Jumper Links (367A954)

Optional Accessories:

- > Med-eBase test solution software (383A910)
- > Foot switch adaptor cable set (manufacturer specific, please specify)
- > Trolley style hard carry case
- > SMB to BNC Oscilloscope connection lead (p/n 367A950)

Full accessory list available at

rigelmedical.com/Uni-Therm

Technical Specification:

HF Power Watt (RMS)

Accuracy

HF Current (RMS)

Accuracy

Voltage (RMS)

Accuracy

Voltage (peak)

Accuracy

Crest Factor

RMS Bandwidth (instrument only) RMS Bandwidth (with load bank)

Interference Frequency Filter

Isolation (earth to measurement device) Measurement delay adjustment

Variable Load Load Resistor Type

Accuracy

Power rating Duty cycle

Fixed Loads Accuracy

Power rating

Plate Security (REM) resistor

Accuracy Alarm register

Oscilloscope output

True RMS Watts (0 -500W) Refer to load/power graph \pm (1W +5% of reading)

0 6000mA with load bank

0 8000mA external load test

 \pm (2% of reading +10mA)

0 - 700V

 \pm (10% of reading +5V)

010KV (Peak) Closed load only

 \pm (10% of reading + 15V) 1.4 20 (± Vpeak / V RMS)

The higher of the 2 peak voltage

measurements is used 30 Hz to 10MHz MHz (-3 dB) 30 Hz to 2.5 MHz (-3 dB) 100 Hz high pass filter

10kV

Foot switch delay selectable

between 200 5000ms (10ms resolution)

 $0 - 5115\Omega$, steps @ 5Ω

Ceramic Resistors (Non inductive) \pm (1%, + 0.5, -0.5 Ω of set load)

See load/power graph

Up to 100% at 60 seconds ON time,

see load/power graph

 $2 \times 200\Omega$ $\pm 1\%$, + 0.5,-0.0 Ω

20 Watt (100% duty cycle)

 $0 - 475\Omega$, 1Ω step

Motor driven potentiometer

 $\pm 5\% \pm 2\Omega$

High and low, manual confirmation

0.5V/A, 100mA RF current minimum input, un-calibrated,

indication only

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Service and Warranty

The Uni-Therm comes with a free 24-month warranty, subject to terms and conditions, available at

rigelmedical.com/register

Technical Specification (Continued):

Connections

Variable load 0.5115Ω 2 x 4mm Red = Active,

Black = Plate

Fixed Load x 200Ω 1 x 4 mm black (common),

2 x 4 mm red

Measuring device (MD) 2 x 4mm White

Oscilloscope output SMB coaxial connector

REM test 0-475 ohm

2 x 4 mm black

Remote foot switch control (CUT)

2 x 4 mm - yellow,

Single relay contact

Remote foot switch control (COAG)

2 x 4 mm - blue,
Single relay contact

USB B port PC interface
USB A port USB Keyboard

Data Storage and Recall

Memory 4Mb

Output CSV format, sss, test sequences, results, reference power graphs.

General Specifications:

Dimensions 370mm x 300mm x 204mm

Weight 11kg

Operating Temperature 10°C to 40°C Storage Temperature 0°C to 50°C

Mains power 115/230 ±10% VAC; 48 to 66 Hz, 35

Humidity 0-90% RH

Fuses 2 x 1.6 A (T) ceramic

Altitude 2000m
Pollution Degree 2
Environmental Protection IP40
Overvoltage Category CAT II 300V

Rev 5

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