RFG-1000

1000 Watt RF Power Generator

The RFG-1000 provides the HIFU researcher with a powerful tool to replace stacks of laboratory equipment such as signal generators, pulse generators, timing circuits, and power amplifiers.

- Each RFG-1000 is customized to the appropriate frequency for the user's transducer.
- The USB interface allows the user to program the power level, duration, and any pulse strings desired. The frequency can also be set to any value ± 5% of the default frequency. If pulse mode is desired, the user may enter values for pulse on and off times, and number of pulse repetitions. All information is broadcast from the unit back to a host computer for logging purposes.
- The RFG-1000 may be combined with other JJ&A RF Power Generators to drive phased or annular arrays if desired.
- An emergency shutdown circuit detects if the transducer has been lifted off of the test object, failed, or otherwise lost its acoustic connection to the test material.
- The RFG-1000 can be used as a stand-alone RF power generator for CW or Pulse operation, or it can work with other JJ&A HIFU products to provide a complete laboratory system.

RFG-1000 Features:

- Adjustable power level between 10 and 1000 watts output
- CW or Pulse modes
  CW mode: 10-200 watts. Pulse mode: 10-1000 watts
- Standard 50 ohm output impedance
- Built-in frequency generator
- Frequency ranges available from 700 KHz to 5 MHz
- Built-in timing pulse generator
- Small size: 6 x 3.25 x 10 inches (15 x 8 x 24 cm)
- Light weight: 4.1 pounds (1.9 kg)
- Replaces stacks of laboratory equipment
- Standard USB interface for all controls
- Emergency shutdown button and inputs
- Automatic safety shutdown in case of incorrect transducer match
- Available as an OEM module
- Multiple units can be combined for phased or annular arrays
- Continuous operation or can be triggered externally
- All JJ&A HIFU products network together for cohesive system control
- 120/240 volts AC, 5 amps maximum

Specifications subject to change without notice.

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