

RFG-1000BB

Broadband 1000 Watt
RF Power Generator



The RFG-1000BB 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.

- Continuous frequency range from 0.5 to 3.4 MHz.
- USB interface allows the user to program the power level, duration, frequency, and any pulse strings desired. 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.
- Controlled with text commands or optional Graphic User Interface.
- May be combined with other JJ&A RF Power Generators to drive phased or annular arrays if desired.
- 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.
- 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.

Optional Graphic User Interface (GUI):

The optional GUI provides a simple, intuitive interface and eliminates the need for text commands.



RFG-1000BB Specifications:

- 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
- Continuous frequency range from 0.5 to 3.4 MHz
- Built-in timing pulse generator
- Small size: 19 x 48 x 10 cm
- Light weight: 3 kg
- Text-based input and output (hyperterm, LabVIEW®, etc.)
- Optional Graphic User Interface
- 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.