



High Frequency Power Ultrasound since 1950

## news ESS 14

# Next generation of the Multifrequency System

appr. 200 kHz - 10 MHz

The grid displays the following components:

- WelcomeScreen:** Shows the 'MFG Multi Frequency Generator' interface with the 'MEINHARDT ULTRASONICS' logo and 'Version 8.1 Alpha'.
- SignalgeneratorScreen:** Shows amplitude and frequency settings (Amplitude: 4.124 V, Frequency: 10000 Hz) along with 'temperature' and 'configure' buttons.
- SignalSettingsScreen:** A detailed screen for signal settings with numeric inputs for Amplitude (4.124) and Frequency (10000), and buttons for 'ok', 'apply', 'pulse', and 'cancel'. It also features a numeric keypad.
- BurstSettingsScreen:** A detailed screen for burst settings with numeric inputs for Period (5.123) and Pulse length (1.123), and buttons for 'ok', 'cancel', and a checkbox for 'enable pulse mode'. It also features a numeric keypad.
- TempScreen:** Shows Temperature 1 (25.8) and Temperature 2 (27.8) with a 'signalgenerator' button.
- Hardware (Top Right):** A physical unit labeled 'ultrasonic multifrequency system' with the 'UST' logo, 'MEINHARDT ULTRASONICS', and 'High Frequency Power Ultrasound since 1950'.
- Hardware (Bottom Left):** A close-up of the control panel with two circular transducers and a digital display.
- Hardware (Bottom Right):** A laboratory setup featuring a glass reactor vessel connected to a system with red valves and sensors.

- 1 transducer – 3 frequencies - high power version - digital display
- touch panel - cont / very short pulse mode - USB full data exchange
- temp. control transducer/generator - memory function