

2.3 Operation

The signal generator SMG outputs signals between 100 kHz and 1000 MHz at the RF output in a level range from 13 dBm (16 dBm) to -140.1 dBm with AM, PM, FM or ϕ M. Two-tone modulation is also possible as well as simultaneous AM and FM or AM and ϕ M. The output signal may be set at a fixed frequency or swept.

A signal in the frequency range from 10 Hz to 100 kHz with an amplitude range from 2 mV to 2 V (V_{rms}) is available at the AF output if the SMG is fitted with the option AF Synthesizer SMG-B2.

The SMG can be set via the keyboard, rotary knob and the IEC-bus interface.

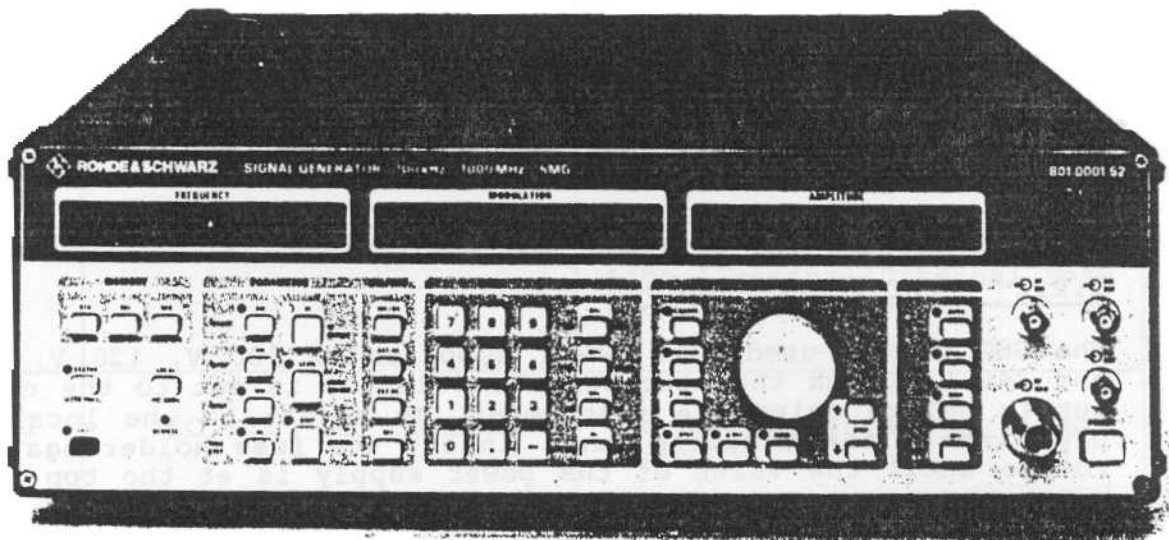


Fig. 2-4 SMG front panel

2.5 Options

The following options are available:

- SMG-B1 Reference Oscillator, OCXO
- SMG-B2 AF Synthesizer
- SMG-B21 AF Synthesizer
- SMG-B3 X Output