

Frequency Synthesizers ND 500 and ND 1000

The Frequency Synthesizers ND 500 and ND 1000 are remote-only units in a 19"-rack-mount chassis with blank front panels. The ultra-fast switching time of less than 1 μ s is only possible via BCD parallel control. Remote control via the optional IEEE-Bus or RS 232 interface delays the total switching time by the run-time of bus commands.

The output level of ND 500 and ND 1000 can be set in a wide range by a potentiometer on the front panel. Two LED's on the front panel indicate stand-by mode and temperature status of the OCXO.

Frequency Synthesizer ND 500

- ◆ Frequency range 100 kHz ... 500 MHz
- ◆ Highly-stable refer. frequency (OCXO)
- ◆ Residual FM \leq 0.1 Hz
- ◆ SSB phase noise \leq - 126 dBc/Hz
- ◆ Fast frequency switching \leq 1 μ s
- ◆ BCD parallel control
- RS 232 and IEEE-Bus as option

Frequency Synthesizer ND 1000

- ◆ Frequency range 10 kHz ... 1000 MHz
- ◆ Highly-stable refer. frequency (OCXO)
- ◆ Residual FM \leq 0.1 Hz
- ◆ SSB phase noise \leq - 126/120 dBc/Hz
- ◆ Fast frequency switching \leq 1 μ s
- ◆ BCD parallel control
- RS 232 and IEEE-Bus as option



