

The Frequency Synthesizers ND 500 S and ND 1000 S are bench top instruments with manual control via front panel rotary switches. This manual operation ensures that fixed frequency settings will be changed only consciously. However the ultra-fast switching of frequency changes less than 1  $\mu$ s is only possible via BCD parallel control.

The RF-output is located on the front panel and the output level can be set in a wide range by a potentiometer. Two LED's on the front panel indicate stand-by mode and temperature status of the OCXO. An interface-switch selects the operation modes, IEEE-Bus, RS 232, BCD or local control via rotary switches.

### Frequency Synthesizer ND 1000 S

- ◆ Frequency range 10 kHz ... 1000 MHz
  - ◆ Manual rotary switches on the front panel to set frequency
  - ◆ Highly-stable refer. frequency (OCXO)
  - ◆ Residual FM  $\leq$  0.1 Hz
  - ◆ SSB phase noise  $\leq$  - 126/120 dBc/Hz
  - ◆ Fast frequency switching  $\leq$  1  $\mu$ s
  - ◆ BCD parallel control
- RS 232 and IEEE-Bus as option



