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## **Frequency Counter**

### Features

- 8 digit Liquid Crystal Display
- Low power consumption (Average 6 hour battery life)
- Supplied with NiCd pack, AC wall charger and telescopic antenna
- Hold switch to lock display
- High speed counter with 100 Hz resolution



### Controls

1. Power Switch - This slide switch turns the counter on and initiates a 2 second test of all the LCD segments.
2. Hold Button - This holds the current display and stops the counter from counting.
3. Calibration - The calibration adjustment opening is located on the front panel of the counter. This allows access to the trimmer capacitor that provides about a 10 PPM adjustment range of the time base oscillator. This is not usually necessary but to do so read a signal of a known frequency before adjusting the trimmer for correct frequency display. If you calibrate at 4.1943 MHz or above then the counter will be more accurate.

### Specification

Frequency range	10 MHz - 3 GHz
Impedance	50 Ohms (BNC Socket)
Battery	Internal 4 x AA 600 mAH NiCd pack
Power	9 VDC 300 mA
Case	Stamped aluminum with black anodized finish
Size	80 mm high x 68 mm wide x 31 mm deep
Weight	210 g

The distance from which you will be able to receive frequencies will depend upon the type and location of the transmitting antenna, transmitter output power and the frequency in use.

Some typical distances are:

Cordless Phone	0,3 m
Cellular Phone	3 - 10 m
VHF Two Way Radio	3 - 15 m
UHF Two Way Radio	3 - 15 m

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### Input Sensitivity. (50 Ohms)

Max. input	+15 dBm (1,2 Volts)
Sensitivity at 100 MHz	< 0.8 mV
Sensitivity at 300 MHz	< 6 mV
Sensitivity at 1.0 GHz	< 7 mV
Sensitivity at 2.4 GHz	< 100 mV

**Attention!** The device is completed with the telescopic antenna which has a working range from 100 MHz up to 460 MHz. For effective operation of the device outside of this range, we recommend to use other types of external antennas.