

1Hz-50MHz Frequency counter KIT (from EZM Electronics studio)

Thanks to the original author. For more information, please visit the original author's web page.

<http://www.qsl.net/d14yhf/index.html>

<http://kc7zow.tripod.com/hamradio/id6.html>

The main features of the frequency counter are:

- Frequency range 1 Hz ... 50 MHz (in fact ,it can work up to 78 MHz)
- Four or five digits resolution (display for example x.xxx kHz, x.xxx MHz, or xx.xx MHz).
- Automatic range switching with different gate times
- Optional addition or subtraction of a frequency offset (programmable)
- Input impedance:1.1M, in parallel with about 10pF
- Input sensitivity :tipcally less than 20mV RMS from 1Hz to 100kHz, rising to 35mV at 20MHz and 75mV at 50MHz (150mV at 78MHz)
- Resolution: maximum 1Hz
- Current consumption: 50mA with 7 to 9V input
- optional (configurable) power-saving mode which automatically turns the display off if the frequency didn't change significantly within 15 seconds
- Input socket:BNC



100kHz



1MHz



5MHz



10MHz



20MHz



30MHz



40MHz



50MHz



60MHz



70MHz



78MHz