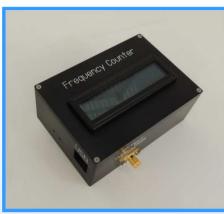
VDI 0.5-20 GHz Frequency Counter



Product Description

VDI frequency counters were designed specifically to measure the fundamental frequencies driving VDI frequency extenders. The design is streamlined to avoid the extra size and cost of unnecessary features. The frequency ranges from 0.5-20GHz for an input power of 0-10dBm. The display resolution is 7 digits, but 32 bits of resolution can be read through a USB cable to a PC. The measurement time can be set to make fast measurements with moderate relative accuracy, such as 4 kHz within 100 mS. The unit is small (3.75x3.75x2") and is powered through a USB cable connected to a computer without the need for a power supply or wall plug. Software drivers are provided that can be used with most programming languages and open source code for the user interface is also provided in Labview 7.0.



Virginia Diodes
www.vadiodes.com

- 0.5-20 GHz Frequency Counter
- Compact
- Variable measurement speed
 - 1 ms measurement time → 396 kHz resolution
 - 100 ms measurement time → 3.96 kHz resolution
- USB control with software
- No wall plug or power supply needed

Data Sheet

Bandwidth: 0.5-20GHz, SMA
Input power: 0-10dBm

Resolution: 7 digits display, 32 bits through USB

Absolute accuracy: <30 kHz

Relative accuracy: 396/(measurement time(S)) (Hz) + internal clock drift,

ex. 100mS gives 3.96kHz

Measurement time: Selectable from 0.4 mS to 26 S, (reads through USB

every 1mS)

Display Calibration Factor: 7 significant digits

Input impedance: 50 ohm

Interface: USB control with software for Windows XP. Labview

runtime engine 7.0 will be installed.

Open source code provided for Labview 7.0.

Size: LxWxH, 3.57x2.5x1.6 inches

Current consumption: 200mA