



Overview

Telemakus LLC is a contract engineering company specializing in the design of high power linear amplifiers. Telemakus also manufactures USB controlled test instruments including a growing range of synthesized signal sources.

Synthesized Signal Sources

Telemakus now offers a range of sources from 140MHz to 26500MHz in both sub-octave and multi-octave configurations

The sources have a fixed output power optimized for phase noise and spurious level summarized in the table below. Under GUI control the sources can be swept in 1KHz resolution or operated at a fixed frequency under battery power. Multiple sources can be controlled simultaneously for mixer or multi-tone testing. When combined with the other Telemakus products complete test systems can easily be created.

Model	Specification	Frequency Range MHz	Output Power Typ dBm	Phase Noise @100kHz
TEG250-15		140 to 250	15	-118
TEG700-12		550 to 700	12	-108
TEG1000-10		700 to 1000	10	-105
TEG2700-6		1800 to 2700	6	-105
TEG3500-8		2700 to 3500	8	-105
TEG4000-1		200 to 4000	1	-95
TEG10200-1		9200 to 10200	15	-95
TEG24000-6		22000 to 24000	6	-85
TEG26500-5		24000 to 26500	5	-85
TEX8000-15(Doubler/Amplifier)		200 to 8000	15	-95

Each source has its own 10MHz crystal reference and is both powered and controlled via the USB port. About the size of a flash stick and weighing less than 1oz these sources are highly portable and easy to use. Control software is provided on a 500MB flash drive that is built into the source. This flash drive also contains data-sheet and API drivers compatible with , C++, C#, VB.NET, Agilent VEE, Lab-View® and many other development tools. Telemakus can also provide custom software to help integrate these sources with other control devices and test equipment.

Other products

Telemakus also offers USB controlled switches, pulse modulators, step attenuators, vector modulators, phase shifters, amplifiers, power sensors and frequency doublers. Other accessories include a 7 port USB HUB, custom USB extension cables, carrying cases and application specific software.

Telemakus LLC is constantly expanding its USB product offerings and can respond quickly to new product requests.

www.telemakus.com

USB Controlled Test and Measurement Instruments

Low Cost
Highly Portable
Graphical PC Interface
Customized Test Systems



US \$315 **RF POWER SENSOR**
50MHz-6GHz
50dB Dynamic Range



US \$320 **SYNTHESIZED SIGNAL SOURCE**
700-1000MHz **NEW:**
Phase Noise - 9.3-10.2GHz
105dBc/Hz @ 100KHz **+15dBm \$775**
US \$350 1.8-2.7GHz
NEW: Millimeter Wave Source
24-26.5GHz \$1200



US \$245 **DIGITAL STEP ATTENUATOR**
0.05-4GHz
0.25 dB steps 7 bit

RF SWITCH
0.05-3GHz
60dB isolation
0.1-6GHz
10nS switching
US \$245 **NEW: Vector Modulators**



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