The TEA13000-12 is a Laboratory-quality, RF Digital Attenuator with 30dB dynamic range and only 2dB typical insertion loss. The attenuator is based on an analog circuit driven by a 16bit ADC via USB control giving extremely fine control. The analog circuit is digitally corrected to give a near linear control function.

The TEA13000-13 is the smallest USB microwave DSA available and is also priced significantly below the current market offerings.

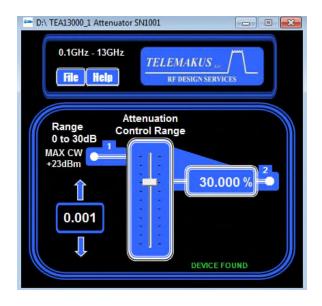
Applications include dynamically setting gain or power. When combined with a power sensor, ALC or AGC loops can be implemented. Use of the optional HUB allows the DSA to remain in a given state even after the host PC is removed from the system.

The attenuator contains 0.5GB of flash memory used for installation files, test data and other supporting documentation. Drivers, utilities and documentation are available on the attenuator itself.

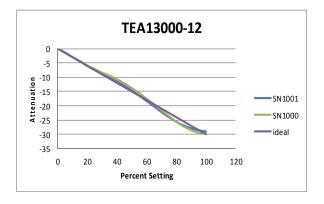
Full test data is performed at the factory and results are stored in flash memory on the unit.







Easy to use graphical interface with both numeric entry or slider controls.



Typical Performance At 10GHz



Specifications			
Parameter	Specification		
Frequency Range	0.1GHz to 13GHz		
Dynamic Range	30dB		
Interface	USB 2.0		
Current	I50mA (From USB interface)		
High Linearity	+25dBm IIP3 @0dB Attenuation		
P0.25dB	+9dBm		
Insertion Loss	2dB typ /4dB max @13GHz		
Attenuation Accuracy	+/-0.5dB typ, +/-1.5dBMax Vs Ideal		
RF Connectors	SMA Male/Female		
USB Connector	Mini A		

Environmental			
Temperature Range	-40 to +55 degC		
Not Environmentally sealed			



Phone: 916 458 6346 Fax: 916 983 8713 Email: mail@telemakus.com www.telemakus.com Primary Business Address 13405 Folsom Blvd #502 Folsom CA,95630