Dynamic Signal Strength Meter DSSM1B (Enhanced)

A wideband RF signal strength meter capable of detecting and analysing continuous or pulsed radio signals.

The DSSM1B is a high dynamic range, broadband-response RF signal analyser capable of detecting signals such as Wi-Fi, GSM, Bluetooth, DECT and many others, even if their duration is only a few microseconds.

Since modern RF devices often transmit very short duration pulses, their signal can easily be missed by a spectrum analyser or analogue signal strength meter. Whereas, the fast response of the DSSM1B allows it to detect almost any RF signal from 3MHz to 6GHz irrespective of its nature.

As well as the DSSM1B's ability to detect short RF pulses, its scrolling time-domain display reveals superimposed signals that might otherwise be invisible to a spectrum analyser or analogue signal strength meter.

The equipment also includes an audio output (Variable Tone or AM Demodulation with Squelch function and adjustable volume), digital sensitivity adjustment and illuminated display for improved usability.

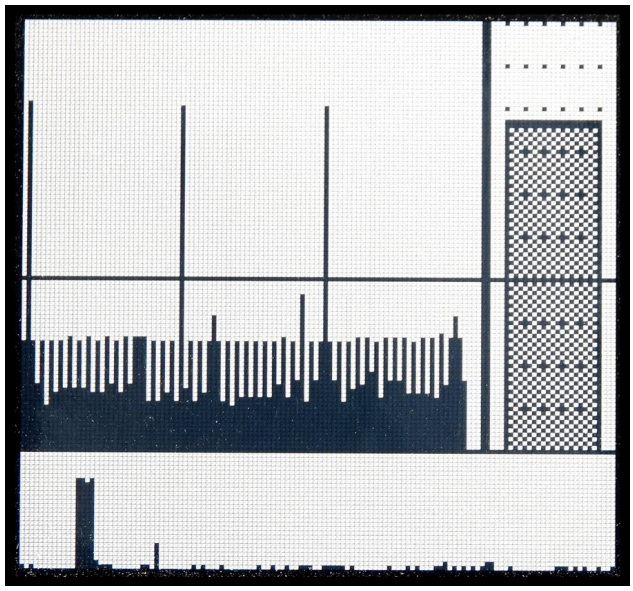
To summarise, the DSSM1B is a versatile device that can both detect and discriminate between almost any type of radio signal.

Features

- Broadband Response 3MHz-6GHz
- Detects Fast Pulsed Signals
- High Dynamic Range (50dB) [1]
- Digital Sensitivity Adjustment
- Accurate Logarithmic Scale
- Detects superimposed signals
- Illuminated Graphic Display
- Low Cost and Compact Size
- Powered by 2 x AA
- Audio Output (AM Demodulation or Tone) with Squelch Function [2]

Applications

- RF Engineering
- Signal Analysis



Specifications

Unless Otherwise Stated: Gain=0dB, Backlight & Audio = off, Battery = 2 x E91, Temp=20ºC, Freq = 1GHz, Level = -10dBm.

Parameter	Min	Typ	Max	Units
Frequency Range	3MHz		6GHz	
Amplitude Range [1]	-55		-5	dBm
Absolute Accuracy 100MHz to 2GHz		3		dB
Measurement Rate		100		kHz
Battery Life	40	TBA		Hours
Battery Life (BL & audio on)	20	TBA		Hours
Dimensions	38W x 24H x 109L			mm

Note. Specifications are subject to change without notice.

WARNING. To protect your hearing, use this equipment at the minimum volume possible. Listening to audio at high levels for extended periods is known to cause permanent hearing damage.

1. Using the Digital Sensitivity Adjustment, a range of approx. -58dBm to 0dBm can be achieved.

2. Recommended for use with Sennheiser HD25 headphones.