

# Dynamic Signal Strength Meter DSSM1A

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

The DSSM1A is a high dynamic range, broadband RF signal detector capable of detecting signals, 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 traditional spectrum analyser or analogue signal strength meter. Whereas, the fast response of the DSSM1A allows it to detect almost any RF signal from 3MHz to 6GHz irrespective of its nature.

As well as the DSSM1A's ability to detect short RF pulses, its scrolling time-domain display reveals superimposed signals that would otherwise be invisible to a spectrum analyser or traditional signal strength meter.

To summarise, the DSSM1A is an instrument that can discriminate between different signals, even when they occupy the same frequency band, including modern Time Division Multiple Access (TDMA) systems such as Wi-Fi, GSM, DECT and Bluetooth etc.

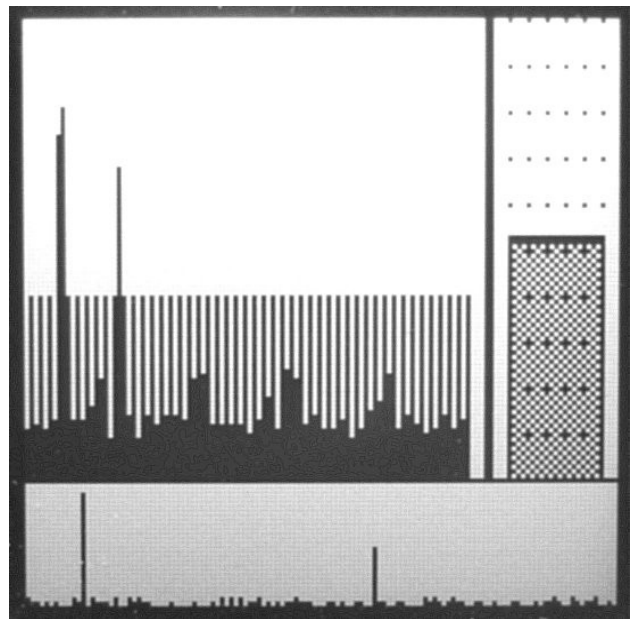
***"the fast response of the DSSM1A allows it to detect almost any RF signal from 3MHz to 6GHz irrespective of its nature"***

## Features

- ◆ Broadband Response 3MHz-6GHz
- ◆ High Dynamic Range (50dB)
- ◆ Accurate Logarithmic Scale
- ◆ Detects Fast Pulsed Signals
- ◆ Detects superimposed signals
- ◆ Graphic Display
- ◆ Compact Size
- ◆ Low Cost
- ◆ Powered by 2 x AA

## Applications

- ◆ RF Engineering
- ◆ Equipment Field Trials
- ◆ Signal Analysis



## Specifications

Unless Otherwise Stated: Battery = 2 x Energizer E91 AA Alkaline, No signal input, temperature = 20°C, Signal = -10dBm.

Parameter	Min	Typ	Max	Units
Frequency Range	3MHz		6GHz	
Amplitude Range	-55		-5	dBm
Absolute Accuracy 100MHz to 2GHz		3		dB
Maximum Signal		10		dBm
Measurement Rate		100		kHz
Battery Life		120		Hours

Note. Specifications are subject to change without notice.