

## Spectrum Analyzer 1GHz with Tracking Generator



**Product Categories:** [Digital Storage Oscilloscope](#), [Digital Storage Oscilloscope](#), [Electronics](#), [Engineering Equipment](#)

**Product Page:**

<https://www.labappara.com/product/spectrum-analyzer-1ghz-with-tracking-generator/>

### Product Description

Spectrum Analyzer 1GHz with Tracking Generator

#### **Features :**

Frequency range 150kHz ~1050MHz (with Tracking Generator)

4.5 Digit display center & marker frequency, 0.1MHz resolution

Amplitude range -100dBm ~ +13dBm

Filters 20KHz, 250KHz & Video Filter

AM/FM Demodulator included

Full range built-in Tracking Generator 150kHz ~ 1050MHz

Output Power 1dBm to ~ 50dBm (50ohms)

#### **Technical Specifications:**

Frequency range : 150kHz to 1050MHz (-3dB)  
Frequency resolution : 100kHz, Display 4 digit  
Display accuracy center freq. : +100kHz  
Display accuracy marker : 0.1% Span +100kHz  
Frequency stability : <150kHz /hr (Drift)  
Frequency scan width : Zero scan 0Hz/div, and 100kHz in 1-2-5 seq.  
Frequency scan width accuracy : +10%  
IF bandwidth (-3dB) : Resolution 20kHz& 250kHz  
Video bandwidth VBW : 400kHz  
Sweep time (Fixed) : 23ms  
Amplitude  
Amplitude range : 100dBm to +13dBm  
Screen display range : 80dB (10dB/div)  
Reference level : -27dBm ~ +13dBm (in 10dB steps)  
Reference level accuracy : +2dB  
Average noise level : -103dBm (250kHz RBW)  
Frequency response : +2dB(Relative to 250MHz, ATTN 10dB)  
Spurious responses : <-75dBc (2 signals, -27dBm (3rd order)  
inter modulation each Freq. Distance >3MHz)  
Harmonic distortion : <-75 dBc (2nd, 3rd)  
Absolute amplitude accuracy : +2.5dB

## **Input**

Input impedance : 50ohms  
Input connector : BNC  
Input attenuator : 0 to 40 dB (4 x 10dB steps)  
Input attenuator accuracy :+2dB / 10dB steps  
Max input level : +10dBm, (0dB attenuation)  
: +20dBm (with 20dB attenuation)  
DC : +25V

## **Tracking Generator**

Output frequency range : 150kHz ~ 1050MHz

Output power level : -50dBm , +1dBm (In 10dB steps & fine control)

Output attenuator : 0 ~ 40 dB (4 x 10dB steps)

Output attenuator accuracy :+1dB

Output flatness : +1.5dB (150kHz ~ 1050kHz)

spurious outputs

Harmonic & non : <20dBc

harmonic spurs

Output Impedance : 50ohms (BNC female)

### **Miscellaneous**

AM/Demodulator : Ear phones, load impedance

Included Ear Phones : >8ohms

Load Impedance : >8ohms

### **General**

Display : CRT 6 inch, 8 x 10div internal Graticule

Trace rotation : Adjustable on Front panel

Line voltage : 220V +10%, 50 to 60 Hz

Power consumption : Approx. 25W

Power requirement : 220 VAC +10% , 50 Hz

Weight : 7.0Kg Approx.

Dimensions (mm) : 280 (L) x390(B) x 130(H)

### **Standard Accessories :**

Power cable, Probe - 2Nos., Ear phone, Instruction manual