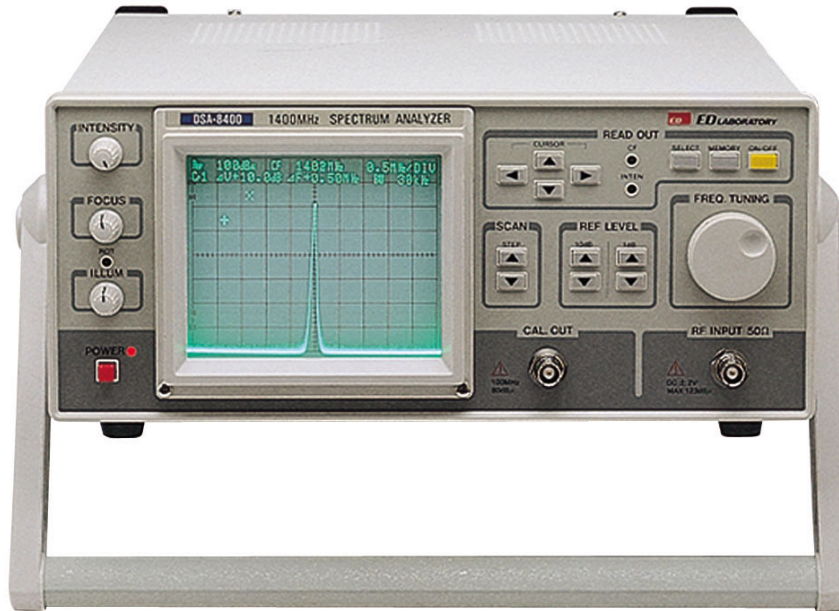


**1.4 GHz SPECTRUM ANALYZER**

SCAN FREQ : 100kHz/div. ~ 100MHz/div (1, 2, 5 STEP)

- Readout display & digital button control
- Wide bandwidth & high sensitivity

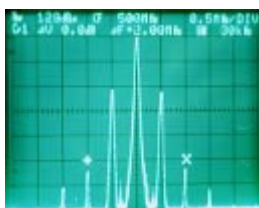
**DESCRIPTION**

The model DSA-8400 RF spectrum analyzer is an essential measurement tool in characterizing RF signals in the frequency range from 1MHz to 1400MHz. This frequency range covers signals used in the radio communications in general as well as VHF and UHF signals. Part of the RF signal characterizations where DSA-8400 can be effectively used is to measure spurious signals and to detect EMI levels from a signal source.

Another area in which DSA-8400 is found very valuable is in analyzing CATV and cable transmission system. This type of RF signal transmission is gaining popularity, making a spectrum analyzer such as DSA-8400 a must tool in operation and maintenance of such systems.

The DSA-8400 spectrum analyzer offers advanced, user oriented features to make the operation of the equipment easy. Some of these features include a readout capability of the setting parameters right on the screen, simple button operations on the panel, dual markers on the screen and data memory capacity. Particularly, the dual cursor feature allows the user to set for  $\Delta$  level and  $\Delta$  frequency measurements between two points on the screen.

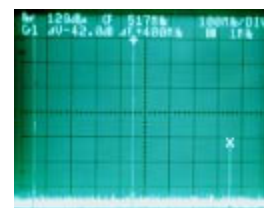
The compact and highly ergonomic design of DSA-8400 makes this instrument ideal in portable applications. The input to DSA-8400 can be selected from AC 100/117/220/240V 50/60Hz.



Square wave spectrum



FM Spectrum



Harmonic Frequency Spectrum

## FEATURES

- Efficient screen readout features make measurements easy and informative.
- Ideal for CATV, VHF and UHF equipment services.
- Excellent tool in EMI detection, and frequency analysis.
- Delta measurements using two cursors.

## SPECIFICATIONS

Measuring Frequency Range	1MHz ~ 1400MHz
Center Frequency Display	Read -out on Screen of CRT Resolution: 1MHz Accuracy: ±1% or Less
Scan Frequency Width	100kHz/div ~ 100MHz/div (1, 2, 5 steps)
Scan Width Accuracy	±6% max. (Center Frequency 100MHz) ±10% max. (Center Frequency < 100MHz)
3dB Band Width	10kHz ~ 1MHz (1, 3 steps)
Amplitude Measurement Range	15dB $\mu$ ~ 129dB $\mu$ (at 50 $\Omega$ , Reading On Screen 15 to 80dB $\mu$ in Range 80 to 129dB $\mu$ Setting)
Input Impedance	50 $\Omega$ , VSWR: Less than 1.5 (at over than 100dB $\mu$ )
maximum Input	130dB $\mu$ (above 100dB $\mu$ reference level setting) 110dB $\mu$ (below 100dB $\mu$ reference level setting)
Dynamic Range	70dB min. (Freq.: 10MHz min., level set: 90dB $\mu$ min.) 60dB min. (Freq.: 10MHz max.)
Frequency Flatness	±2dB max.
Calibration Output	Frequency: 100MHz ±10kHz (including harmonics) Output level: 80dB $\mu$ ±0.5dB (at 50 $\Omega$ load)
Read -out On the Screen	Setting reference level (ref: dB $\mu$ display) Scan width (MHz/div. display) Band width (MHz, kHz display) Center frequency (MHz display) 2 -marking cursor ( $\leftrightarrow$ , $\nabla$ )
Cursor Control & Value	Freq. to Freq.: MHz, level to level: dB
CRT & Screen	6 inch Rectangular Scale: 8 × 10 div.
Operating Conditions	+5 °C ~ +40 °C, 80% or less R.H.
Input Power	AC 100/117/220/240V (50/60Hz)
Dimensions	317(W) × 136(H) × 390(D) mm
Weight	16 kg

## ACCESSORIES

- RF Input Cable: 1ea
- AC Power Cord: 1ea
- Operation manual: 1ea