

## **Product Description:**

Tektronix 2795 10 kHz to 1.8 GHz Spectrum Analyzers

The Tektronix 2795 spectrum analyzer is a wide band, very sensitive receiver. It works on the principle of "super-heterodyne receiver" to convert higher frequencies (normally ranging up to several 10s of GHz) to measurable quantities. The received frequency spectrum is slowly swept through a range of pre-selected frequencies, converting the selected frequency to a measurable DC level (usually logarithmic scale), and displaying the same on the CRT of the Tektronix 2795. The CRT displays received signal strength (y-axis) against frequency ( x-axis).

Some applications for Tektronix 2795 Spectrum Analyzers include Site Monitoring: Verify that the frequency and signal strength of your transmitter is accurate. Interference: Before a system is installed you use a Tektronix 2795 spectrum analyzer to verify that the frequencies (you plan to use) are not occupied or if the presence of a very strong signal will interfere with your new setup. Interference can be created by a number of different situations. Other tests that utilize the Tektronix 2795 spectrum analyzer features include antenna isolation, co-channel interference, adjacent channel power, occupied bandwidth, intermodulation, microwave or satellite antenna alignment, and characterization of components.

## **Manufacturing ATE**

**Avionics**

**Broadcasting**

**CATV**

**Cellular Radio**

**Design and Engineering**

**Nuclear Physics**

**Two-way radio**

## **Performance Characteristics of the 2795**

Form Factor	Mainframe
Input Impedance	50 Ohm
Minimum Frequency	10 kHz
Maximum Frequency	1.8 GHz
Frequency Accuracy	0.007 %
Zero Span	Yes
Minimum Span	100 Hz
Maximum Span	4 GHz

Minimum Sweep Time	200 us
Maximum Sweep Time	100 s
Minimum Resolution Bandwidth	10 Hz
Maximum Resolution Bandwidth	3 MHz
Minimum Video Bandwidth	0.3 Hz
Maximum Video Bandwidth	30 kHz
Maximum Safe AC Input	1 dBm
Minimum Displayed Average Noise	-131 dBm
Maximum Displayed Average Noise	-95 dBm
Maximum Dynamic Range	134 dB
Maximum Amplitude Uncertainty	5 %
Trigger Source	External,Internal
Trigger Modes	Freerun,TTL
Probe Power	Yes
Noise Source Driver	No

## **Programmability/Connectivity of the 2795**

User Interface	Proprietary
Ports to Peripheral Devices	GPIB
Test Pattern Storage	10 Patterns
Novram data storage	Yes

## **2795 Life Cycle Data**

Out of Production Nov-01-2000

## **2795 Compliance**

CE Compliance Not on file

UL Compliance Not compliant

## **2795 Power Requirements**

Input Power Universal (Auto Sense and Switch)

## **2795 Physical Dimensions**

- Width: 327 mm(12.87 in)
- Height: 175 mm(6.88 in)
- Length: 499 mm(19.64 in)

- Weight: 19.44 kg(42.85 lb)