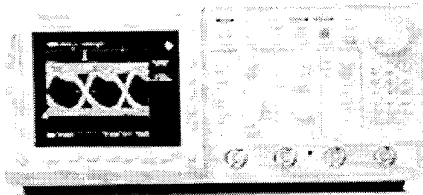


## Product Description:

Tektronix TDS520 Oscilloscope, Digital: 500MHz,500MSa/s,2ch (Stand alone)



The Tektronix TDS520 oscilloscope is a graph-displaying device – it draws a graph of an electrical signal. In most applications, the graph shows how signals change over time: the vertical (Y) axis represents voltage and the horizontal (X) axis represents time. The intensity or brightness of the display is sometimes called the Z axis.

The Tektronix TDS520 oscilloscope's simple graph can tell you many things about a signal, such as: the time and voltage values of a signal, the frequency of an oscillating signal, the "moving parts" of a circuit represented by the signal, the frequency with which a particular portion of the signal is occurring relative to, other portions, whether or not a malfunctioning component is distorting the signal, how much of a signal is direct current (DC) or alternating current (AC) and how much of the signal is noise and whether the noise is changing with time.

## Performance Characteristics of the TDS520

Form Factor	Benchtop
Bandwidth	500 MHz
Number of Channels	2 ch
Simultaneous Channels	2 ch
Simultaneous Maximum Sampling Rate/ch	250 MSa/s
One ch. only max. sampling rate	500 MSa/s
Max. Record Length	15000 pt/sec
Min. Vertical Sensitivity	1 mV/div
Maximum Vertical Sensitivity	10 V/div
Rise time	700 ps
Number of Bits	8 bits
Input Impedance	1 MOhm
Input Impedance (alternate)	50 Ohm
Input Coupling	AC,DC,GND
Maximum Input Voltage	400 Vrms
Main time base - lowest	500 ps/div
Main time base - highest	10 s/div
Timebase accuracy	0.0025 %
Trigger Source	Internal
Trigger Modes	Auto,Edge,Logic,Normal,Pulse,Single
Minimum Glitch Trigger	2 ns
Display Size	17.78 cm
Display modes	Dot Persistence, Vector

Display modes	Dot, persistence, vector
Display Update Rate	200 wv/sec

### **Programmability/Connectivity of the TDS520**

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