

## Tektronix TDS520D General Information

### Product Description:

Oscilloscope, Digital: 500MHz,2GSa/s,2ch (Stand alone)

## Tektronix TDS520D Performance Characteristics

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Form Factor                           | Benchtop                            |
| Bandwidth                             | 500 MHz                             |
| Number of Channels                    | 2 ch                                |
| Simultaneous Channels                 | 2 ch                                |
| Simultaneous Maximum Sampling Rate/ch | 1 GSa/s                             |
| One ch. only max. sampling rate       | 2 GSa/s                             |
| Max. Single Shot bandwidth            | 500 MHz                             |
| Max. Record Length                    | 50000 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                        | External,Internal                   |
| Trigger Modes                         | Auto,Edge,Logic,Normal,Pulse,Single |
| Minimum Trigger Holdoff               | 16 ns                               |
| Minimum Glitch Trigger                | 1 ns                                |
| Display Type                          | LCD                                 |
| Display Size                          | 17.78 cm                            |
| Display modes                         | Dot,Persistence,Vector              |

## Tektronix TDS520D Programmability/Connectivity

|                             |             |
|-----------------------------|-------------|
| User Interface              | Proprietary |
| Ports to Peripheral Devices | GPIB        |
| Test Pattern Storage        | 10 Patterns |
| Novram data storage         | Yes         |
| Data Storage Type           | FDD         |
| Programming Language        | Windows     |

## Tektronix TDS520D AppNotes

[The XYZ's of Oscilloscopes](#)

## Tektronix TDS520D Product Links

[Tektronix / TCPA300](#)

AMPLIFIER; AC/DC CURRENT PROBE; DC-100MHZ; CERTIFICATE OF TRACEABLE CALIBRATION

STANDARD

[Tektronix / TCPA400](#)

AMPLIFIER; AC/DC CURRENT PROBE; DC-50MHZ; CERTIFICATE OF TRACEABLE CALIBRATION  
STANDARD

## **Tektronix TDS520D Life Cycle Data**

Out of Production

Jul-11-2005

## **Tektronix TDS520D Compliance**

CE Compliance

Compliant

UL Compliance

Compliant

## **Tektronix TDS520D Power Requirements**

Input Power

Universal (Auto Sense and Switch)

## **Tektronix TDS520D Physical Dimensions**

Width

445 mm(17.51 in)

Height

434 mm(17.08 in)

Length

193 mm(7.59 in)

Weight

14.1 kg(31.08 lb)

## **Tektronix TDS520D Standard Accessories**

200-3696-01 /Front Cover /Qty:1

020-2235-00 /Quick Reference /Qty:1

063-3006-00 /Programmers Manual /Qty:1

071-0130-00 /User Manual /Qty:1

071-0135-00 /Technical Reference /Qty:1

P6139A /Passive Probes /Qty:2