

## TEKTRONIX

# DSA8200

The Tektronix DSA8200 is a modular Digital Serial Analyzer and Sampling Oscilloscope mainframe designed for advanced communication signal analysis, TDR/TDT network analysis, and high-bandwidth electrical and optical measurements. Supporting bandwidths up to 70+ GHz, the DSA8200 features a highly configurable architecture with up to eight acquisition channels.

## SPECIFICATIONS

### General

|         |                                                                                          |
|---------|------------------------------------------------------------------------------------------|
| Display | 10.4-inch active-matrix color TFT LCD with integrated touchscreen, 1024 × 768 resolution |
|---------|------------------------------------------------------------------------------------------|

### Physical

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Operating Temperature | 10 to 40 °C °C                                            |
| Dimensions (W×H×D)    | 457 mm × 343 mm × 419 mm (18.0 in × 13.5 in × 16.5 in) mm |

### Vertical System

|                              |            |
|------------------------------|------------|
| Maximum Acquisition Channels | 8 channels |
|------------------------------|------------|

### Trigger System

|                                |                  |
|--------------------------------|------------------|
| Direct Trigger Frequency Range | DC to 3.0 GHz    |
| Trigger Level Range            | -1.0 V to +1.0 V |
| Trigger Level Resolution       | 1 mV             |

### Mainframe Configuration

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| Total Module Slots               | 6 slots                                                              |
| Small Module Slots               | 4 slots (for electrical, clock recovery, or phase reference modules) |
| Large Module Slots               | 2 slots (for optical or large electrical/TDR modules)                |
| Hot-Swapping Modules             | Not supported                                                        |
| Supported Electrical Modules     | 80E01, 80E02, 80E03, 80E04, 80E06, 80E07, 80E08, 80E09, 80E10        |
| Supported TDR Modules            | 80E04, 80E08, 80E10                                                  |
| Supported Phase Reference Module | 82A04                                                                |

### System & Software

|                  |                                   |
|------------------|-----------------------------------|
| Operating System | Microsoft Windows XP Professional |
|------------------|-----------------------------------|

### Measurement & Analysis

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| Automated Measurements | Over 120 measurements (rise/fall, amplitude, eye width, eye height, jitter, noise) |
|------------------------|------------------------------------------------------------------------------------|

**Power Requirements**

|                           |       |
|---------------------------|-------|
| Maximum Power Consumption | 600 W |
|---------------------------|-------|

**Environmental**

|                     |                                |
|---------------------|--------------------------------|
| Storage Temperature | -22 to +60 °C                  |
| Operating Humidity  | 20% to 80% RH (non-condensing) |
| Storage Humidity    | 5% to 90% RH (non-condensing)  |
| Operating Altitude  | 3,000 m (9,843 ft)             |
| Calibration Cycle   | 1 year                         |

**Storage**

|               |               |
|---------------|---------------|
| Optical Drive | CD-RW/DVD-ROM |
|---------------|---------------|

**Timing & Jitter**

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| Jitter with Phase Reference Module | <200 fs RMS (guaranteed with 82A04 module, typical <100 fs RMS) |
|------------------------------------|-----------------------------------------------------------------|

**Waveform Analysis**

|                        |   |
|------------------------|---|
| Maximum Math Waveforms | 8 |
|------------------------|---|

**TDR System**

|                      |                                          |
|----------------------|------------------------------------------|
| Maximum TDR Channels | 8 (with 4 TDR-capable modules installed) |
|----------------------|------------------------------------------|

**TECHNOLOGY**

Digital Sampling Oscilloscope (DSO)

**APPLICATIONS**

Serial Data Link Analysis, TDR/TDT, S-parameter Measurement, Optical and Electrical Compliance Testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.