# Sources

## Features

**VXI SOURCES**

- Wide Range of General Purpose Instruments, All VXI*plug&play* Compliant
- Low Noise, Stable Fixed and Programmable Outputs, from 16-Bit Precision Audio to 250 MHz Coded Formats
- VX4792 is Compatible with AWG 2021 Bench Units and Programming Software
- Fast and Easy Programming
- High Reliability/Excellent Stability and Accuracy

## Applications

- General Purpose Signal Sources – Audio to RF
- Modulated and Coded Signal Source Requirements
- Resistance/Impedance Tests
- Voice, Modem, PCM, and Telephony Tests

**SOURCES INSTRUMENT SELECTION GUIDE**

| Instrument | Function | Key Specs | Key Features |
|---|---|---|---|
| VX4342 | Dual Resistance | 4 decades/CH | 200 value changes/s |
| VX4730 | D/A High Output | 12-CH | ±16V, 400 mA |
| VX4750 | Function Generator | 25 MHz | Modulation, sweep |
| VX4790A | General Purpose Arb | 25 MHz | ±10V, with sine, sq, sawtooth |
| VX4792 | Fast Arb | 250 MHz | Versatile Software |
| DBS8750 | Precision Arb. | 400 kHz | 16-Bit with on board DSP |
| DBS8751 | Precision D/A | 4-CH | 16-Bit, 3/6 V |
| DBS8752 | Precision D/A | 4-CH | 16-Bit, 5/10 V |

## Sources

Like a lighthouse, a source is expected to be on the job, whatever conditions prevail – severe noise, low signal level, or dynamic loading. Tektronix mastery of signal source stability, built on the well known TM 5000/500 product series foundation, continues into the VXI products, some of which are already becoming legendary.

Introduced last year was the very powerful VX4792 250 MHz Arb, a breakthrough in moving VXI testing capabilities well beyond those of traditional 100 MHz units. Compatible with the AWG 2021's WaveWriter™ software (also works with the VX4790A general purpose Arb), this unit can open doors to testing complex low RF applications, high-speed logic tests, and cable/communications testing.

**STUFFING THE WAVE**

Because of the large amount of waveform data, and the many times a test program may need to configure the Arbs, it is critical that source instrument software quickly and easily load, arm, and fire the instruments. As with all of Tektronix VXI instruments, emphasis is placed at a system level, forcing designers to worry about:

- Making the instruments easy to program
- Making the instruments function as quickly as possible

Front ends of Tektronix sources are clean, accurate, and predictable. Stable, wide (in output) range UUT stimulus makes UUT interfacing easy and manageable.

**NOTHING IS FIXED ANYMORE**

Yesterday's sources are fine, but today's UUTs demand a diverse range of modulation. Tektronix' sources allow and support complex and traditional modulation without losses in instrument accuracies or stability. Just as signals continue their march toward more use of coding, demands on the instrument also increase in other areas: synchronization, triggering, and paging (of waveform memory). With many years of understanding the nature of complex signals from our years of experience in oscilloscopes, Tektronix has been able to apply technical agility in mastering these synchronization and triggering needs.

**ON THE HORIZON**

So when you're trying to stress that UUT with worst case signals programmed from a Tek source, you'll be able to trust those outputs – as did the mariners of old trust their lighthouses. Tektronix' commitment to VXI, as witnessed with the advent of the VX4792, marches attuned to the advancement of UUT technology – again!

*See Tektronix on the World Wide Web: http://www.tek.com*

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*Tektronix Measurement products are manufactured in ISO registered facilities.*

VXI plug&play

*For product detail, request a VXI Catalog by completing the business reply card in the back of this catalog.*