



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 TM5000/500 product series foundation, continues into the VXI products, some of which are already becoming a legend in time.

New this year is the very powerful VX4792 250 MHz ARB: a breakthrough moving VXI testing capabilities well beyond those of 100 MHz units. Compatible with the AWG2020's WaveWriter™ software, 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 amounts 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 a) making the instruments easy to program, and b) making the instruments function as fast 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. Tek's 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 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!

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.
- New VX4792 is Compatible with AWG2020 Bench Units and Programming Software
- Fast and Easy Programming
- High Reliability/ Excellent Stability and Accuracy

*Clean,
accurate and
predictable.*

APPLICATIONS

- General purpose signal sources – audio to RF
- Modulated and coded signal source requirements
- Resistance/Impedance tests
- Voice, Modem, PCM, and telephony tests

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