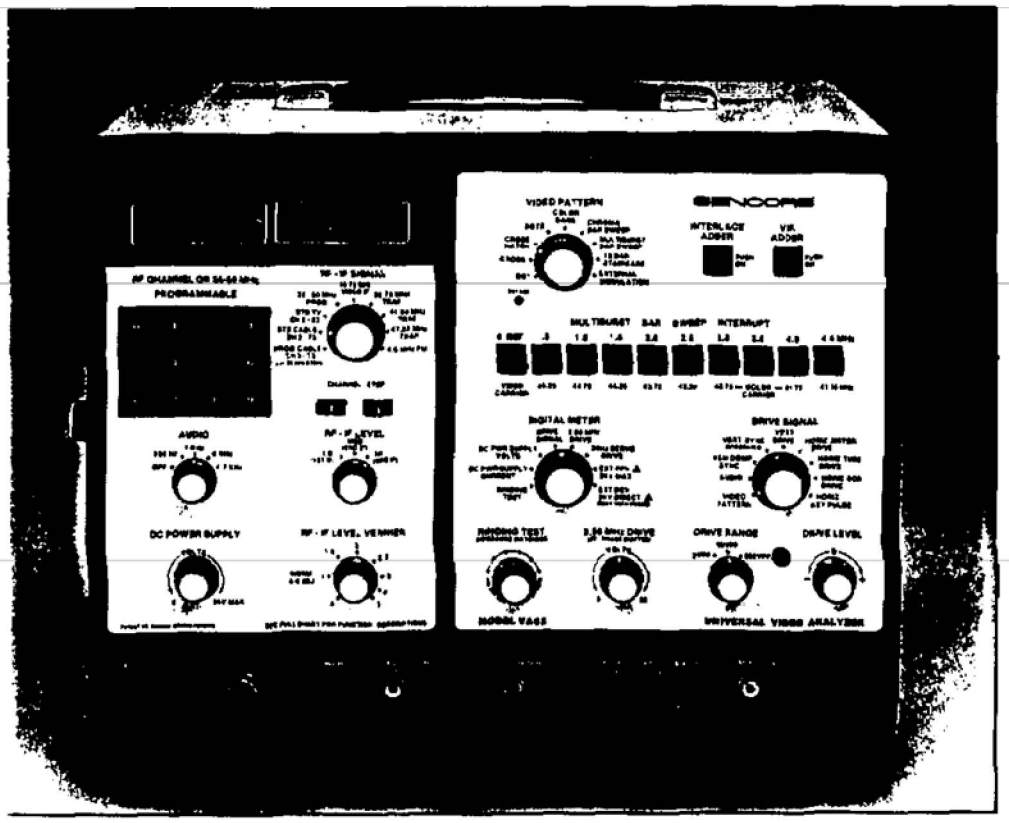
Video Package

VA62 Universal Video Analyzer ™



Isolate Video Troubles In Half The Time With The Only Universal Video Analyzer.

- Identify tuner problems with all-channel, VHF, UHF and cable RF generator.
- Pinpoint IF troubles with modulated troubleshooting signal and exclusive programmable IF/RF generators.
- Isolate any problem with patented video and standard color-bar patterns.
- Find defectives stages, without disconnecting parts, with exclusive phase-locked drive signals.
- Test yokes and flybacks, plus measure signal levels with autoranged digital meter.
- It's obsolete proof; update for new technology with exclusive phase-locked accessories.

The Only NTSC Video Servicing System Guaranteed To Cut Your Servicing Time By 54%* Or Your Money Back.

VA62 Universal Video Analyzer $3495 Patented

The VA62 Universal Video Analyzer is the only system that equips you for successful servicing in the expanding video market. It ends expensive parts substitution (especially when working with large-scale ICs) and eliminates embarrassing, costly callbacks by allowing you to quickly, confidently, and dynamically check every repair.

Eliminate aggravating tuner questions. The all-channel VA62 gives you the confidence of complete RF testing. The "Standard TV" generator produces every VHF and UHF channel (2 through 83) duplicating all over-the-air channels. The "Standard Cable" generator produces every cable channel (2 through 73) to confirm that "cable-ready" tuners work correctly on all bands. The "Programmable Cable" function lets you duplicate any cable carrier shift to test lock-in range.

All RF signals pass through an exclusive microprocessor controlled attenuator, which corrects the RF level channel by channel for reliable tests—even on UHF channels.

Dynamically isolate IF troubles quickly and easily. The VA62 isolates any IF trouble with a fully modulated, crystal referenced 45.75 MHz IF signal, matched to inject into any IF stage. Both video and audio modulation identify any trouble. It's a real troubleshooting confidence builder. Crystal accuracy insures correct results on synchronous detectors. The calibrated output tests for correct stage gain.

Patented signals let you set IF traps—a must for cable—by simply looking at the CRT. Plus, the VA62 lets you do full IF alignments without confusing cables or complicated adjustments.

Improved video patterns simplify your troubleshooting. Phase-locked video patterns identify problems and simplify alignment in convergence, color and luminance stages. The VA62 provides all the patterns needed to diagnose any video problem.

Multiburst Bar Sweep. It's quick and effective; find video smear, reduced resolution, harsh picture edges, and

ghosting with this exclusive, innovative pattern. Ten frequency bars identify bandwidth problems right on the CRT. Video frequencies all the way to 4.5 MHz let you work on high resolution receivers and projection sets too.

Ten-Bar Staircase. Isolate tricky brightness and contrast problems fast using this handy pattern. Ten video levels, equally spaced between pure black and 100% white, make it a snap to find linearity problems or align synchronous detectors.

Improved Convergence Patterns Too. Five improved patterns make setting convergence easy. A single white dot or cross, at the electrical center of the CRT, simplifies static convergence, yoke centering, etc. Square boxes on the crosshatch and dots patterns simplify linearity testing and adjustments. A dot-size control lets you adjust the patterns for the line width you like best.

Improved Color Bars. The RCA-type, gated-rainbow color pattern is updated for the latest video circuits. Now, for the first time, phase-locking between chroma and sync allow comb filters to operate dynamically. Correct color-burst frequency, amplitude, and color saturation, give better results in VCR service.

Innovative Patented Chroma Bar Sweep. The Chroma Bar Sweep is the only color pattern which identifies color bandwidth restrictions. Three equal amplitude bars represent the color subcarrier (3.58 MHz), and the upper and lower 500 kHz sideband limits (4.08 MHz and 3.08 MHz), for a full 1 MHz bandwidth check. The 3.58 MHz bar duplicates the NTSC pattern's cyan bar for correct VCR testing. Pure white edges reference VHS AGC circuits.

Two Exclusive Signal Adders Modify Any Pattern. The Interlace Adder selects interlaced or non-interlaced vertical sync to test the popular digital vertical oscillators. The VIR Adder adds a Vertical Interval Reference signal to dynamically test the automatic "station controlled color" circuits.

Isolates troubles without disconnecting a single component. Isolate troubles in any stage from the antenna to the output *without disconnecting a single wire* using signal substitution. Get *proof-positive results in any* IC, transistorized or tube operated stage. All signals are phase-locked to eliminate costly guess work.

No need to unsolder components because the VA62's output circuits automatically "swamp out" the original signal before injecting the substitute signal. Drive signals are fully adjustable from zero to 3, 30, or 300 volts peak-to-peak, positive or negative polarity, to duplicate any circuit signal. You get versatility unmatched by any other tester.

The drive signals. The VA62 drive circuits supply signals for "swamping out" any stage after the detector. These *special signals let you troubleshoot any* video or sync stage, as well as vertical or horizontal sweep circuits. Separate drive outputs allow simultaneous injection into the tricky closed-loop servo circuits or color oscillators.

Digital meter adds confidence. The digital meter makes the VA62 a complete analyzer. Start by testing deflection yokes and flyback transformers, in-or out-of-circuit, with Sencore's reliable (patented) good/bad ringing test. Internal monitoring measures the true peak-to-peak level of any drive signal to prevent overdriving and to show when feeding into a shorted component.

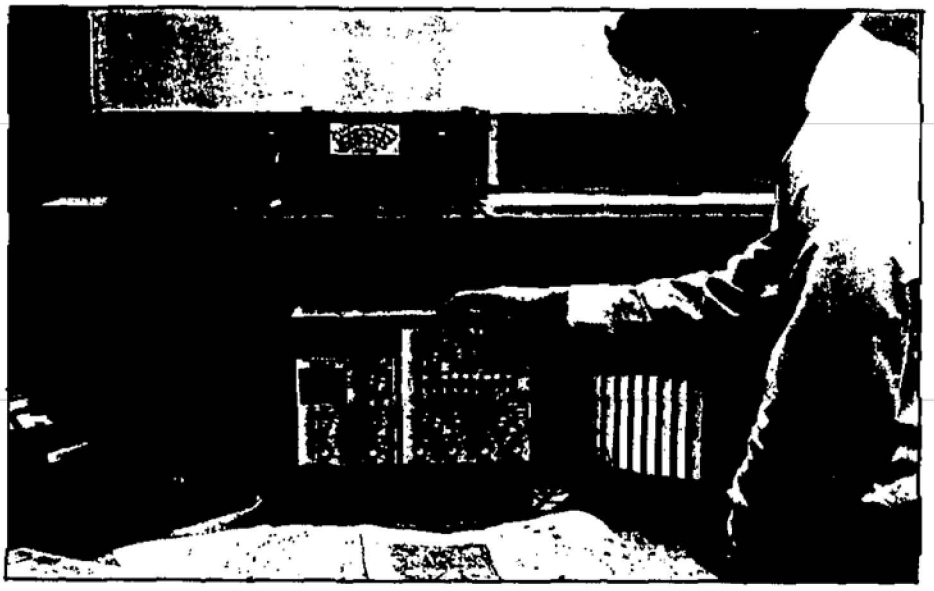
Autoranged external meter includes peak-to-peak and DC to a full 2 kV. Compare peak-to-peak and DC directly to the schematic. Even test the horizontal output transistor voltages. Test high voltage triplers and integrated high voltage flyback transformers (IHVTs) with ease and accuracy.

DC power supply breaks feedback loops. The 0 to 35 volt DC power supply blocks confusing feedback loops in AGC, AFT, ACC, or servo circuits or isolates problems in direct-coupled (DC) circuits, such as vertical amplifiers. Current-limiting (to 1 amp) and fuse protection prevents damage when feeding shorted stages or from live circuits.

Accessory jack prevents obsolescence. The accessory jack in the lead storage *compartment lets you add new* technology as you need it. Phase-locking means the accessory signal returns full sync when used with the other VA62 signals.

To cut your servicing time by 54%* (or your money back), call today at **1-800-843-3338** and put the VA62 on your bench absolutely risk free with our exclusive 10 day Free Self Demo.

*Based on a nationwide survey of users who reported an average time savings of 54% compared to their previous test equipment.



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