

PR570 "POWERITE II"™ Variable Isolation Transformer & Safety Analyzer

Patented



Identify And Troubleshoot Virtually Any AC Supply Problem Fast...With The PR570 "POWERITE II"™!

- Insure your safety and the safety of your test instruments whenever servicing electronic products
- Conquer AC power source problems plus startup, shutdown, and regulator failures with a digitally accurate and variable 0-140 volt AC supply
- Have complete confidence your AC line is right with the AC line monitor
- An adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn
- Watch voltage levels and current draw with simultaneous current and voltage displays
- Test AC outlets with an exclusive receptacle checker to ensure correct earth grounding for the highest level of safety
- Protect your customers from electrical shock and protect your business from lawsuit with an automatic, auto-toggling AC line and safety ground leakage test (leakage to 10 microamps)

Now you get all the information you need with the PR570 "POWERITE II"™ for full control of your AC troubleshooting. Conquer AC power source problems plus startup, shutdown, and regulator failures with a variable 0-140 volt AC supply. The AC line monitor gives you confidence that your AC line is right with exclusive tests. Simultaneous digital displays of voltage and current draw help prevent parts damage and wasted time.

The PR570's isolated output reduces shock hazards and prevents damage to the chassis and your test equipment. The adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn - especially helpful in power supply and horizontal circuits. Plus, the safety leakage test builds additional profits while protecting your customer's safety, thus reducing the chance of lawsuits.

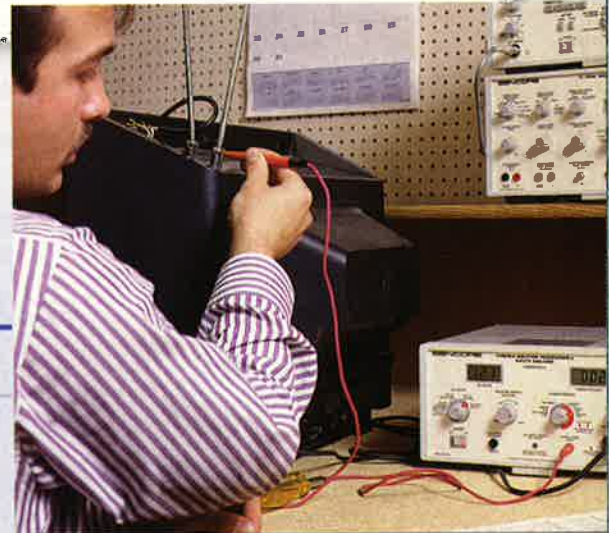
PR570 "POWERITE II"™ Specifications

Isolated Output	VOLTAGE: 0-140 VAC typical at 117 VAC input, continuously variable. CURRENT: 3 amps continuous; 3-4 amps, 470 watts maximum intermittent use (5 minutes on, 5 minutes off). OUTPUT LOADING: Less than 12 volts drop in output with 3 amp load at 120 VAC
AC Volts Functions	AC LINE VOLTAGE TESTS: Measures and displays the selected voltage: Hot to External Earth Ground, Hot to Safety Ground or Hot to Neutral. RANGE: 0-150 VAC. ACCURACY: $\pm 3\%$ reading ± 2 counts, calibrated at 117 VAC. RESOLUTION: 1 volt. PROTECTION: 240 VAC. ISOLATED OUTPUT VOLTAGE: Measures and displays voltage at isolated output. Same as Line Voltage Tests
Output Current Monitor	MEASUREMENT: True Power. RANGE: 0 to 470 watts. ACCURACY: $\pm 5\%$ of reading, ± 2 counts. RESOLUTION: 1 watt
Adjustable Current Trip	RANGE: 0-4 amps. ACCURACY: $\pm 10\%$ of reading, ± 20 mA. RESOLUTION: Adjustable in 10 mA increments. TRIP TIME: 0.3 seconds max. with 200% overload
Hot Chassis Test	MEASUREMENT: Ties high and low lead of primary together and measures leakage to exposed metal with power off. RANGE: 0 to 1999 μ A. ACCURACY: $\pm 3\%$ of reading, ± 2 counts. RESOLUTION: 1 μ A. PROTECTION: 150 mA RMS, 150 V max
Safety Leakage Test	MEASUREMENT: Referenced to either side of isolated output jack. (Automatically toggles high and low line and opens and closes safety ground and displays highest reading.) RANGE: 0 to 1999 μ A. ACCURACY: $\pm 3\%$ of reading, ± 2 counts. RESOLUTION: 1 μ A. PROTECTION: 150 mA RMS, 150 V max. CAL CHECK: 100 μ A, $\pm 3\%$ of reading, ± 2 counts with isolated output at 120 VAC
Protection	AC INPUT: 4 amps, type 3AG slo-blo fuse. ISOLATED OUTPUT: Adjustable current trip, 1 to 4 amps
General	SIZE: 6" x 11.5" x 12" (15.2 x 25.4 x 29.2 cm) HWD. WEIGHT: 22 lbs. (10 kg). POWER: 105 to 125 VAC, 60 Hz. .4 amps idle current with no output load

All specifications subject to change without notice.

PR570 "POWERITE II"™ Accessory List

Supplied Accessories	39V1 Safety Leakage Probe 39V2 Ground Lead
-----------------------------	---



SENCORE

TF46 Portable Super Cricket™ Transistor/FET Tester

Patented



Test Any Transistor Or FET
With 99% Reliability In Less
Than 15 Seconds – In Or
Out Of Circuit!

- Patented in-circuit “go/no go” transistor/FET test
- Automatically identifies transistor leads
- Tests for all possible leakage paths
- Dynamic gain test for thorough analyzing
- Portable operation with auto shut-off to save your batteries
- No need for set-up book or instructions

The TF46 Super Cricket™ takes the guesswork out of solid state servicing. You simply connect the leads to the transistor, and rotate the switch. If the transistor is good, you'll hear a chirp. You don't need setup data and the test even works in-circuit!

The Super Cricket™ quickly and reliably distinguishes the basing of unknown transistors – automatically. It tests every

possible leakage path plus identifies leaky or shorted diodes. The dynamic gain test helps you identify those borderline transistors and matches parameters for critical circuits such as push-pulls and high frequency oscillators.



SENCORE

TF46 Portable Super Cricket™ Specifications

Cricket Good/Bad	Detects ability of transistor to invert a square wave
Bi-Polar Transistor Beta	Dynamic Beta
Bi-Polar Leakage	Tests six paths with rotation of permutator switch (Icbo, Iebo, Ibeo, Iceo, Ieco, Ibco)
Field Effect Transistor Gm	Dynamic mutual conductance
FET Leakage (I_{gss})	0-2500 microamperes
Zero Bias Drain Current (I_{DSS})	0-50 milliamps
General	TEST LEADS: Color-coded E-Z Hook® connectors. BATTERIES: Six alkaline, carbon zinc, or rechargeable “AA” cells (not included). Auto shut-off after 10 minutes. METER: 4 1/2", 100 uA, 5%, mechanical shock protected. SIZE: 10" x 5 1/2" x 3 1/2" (25.4 cm x 13.8 cm x 8.9 cm) HWD. WEIGHT: 4 1/2 lbs (2.0 kg)

All specifications subject to change without notice.

TF46 Portable Super Cricket™ Accessory List

Optional Accessories	39G85 Touch Test Probe
-----------------------------	------------------------

On GSA Contract (See page 67)

PSL60 Universal Power Supply Load

New!

Now Dynamically And Accurately Load The Power Supply To Pinpoint Defects And Reduce Troubleshooting Time!



- Determine if the system's defects are in the power supply or the load circuitry
- Simulates different power demands or "loading" on the power supply output to duplicate symptoms and identify power supply problems
- Analyzes the power output capability of any power supply that outputs 4 to 200 volts
- Analyzes the current limiting circuits of a switching power supply to identify limiting defects



PSL60 Specifications

Load Ranges	Sets the power and voltage range of the electronic load RANGES: 20 Watts, 4-20 Volts 20 Watts, 15-60 volts 60 Watts, 15-60 volts 60 Watts, 4-20 volts (10 amps max.) 60 Watts, 50-200 volts
Input Volt Meter	Measures input voltage to the electronic load. RANGE: + .1-250 volts. ACCURACY: 1%, (2 counts). RESOLUTION: .1 volts
Load Current Settings	Sets the current level to the electronic load. RANGE: .01-10 amps. ACCURACY: 3%, (2 counts). RESOLUTION: (range dependent) .01 amps to .99 amps, .1 amps to 10 amps
Power Meter	Indicates electronic load power (volts X current). RANGE: .1-60 watts. ACCURACY: 4%, (4 counts). RESOLUTION: .1 watt in 20 watt ranges, 1 watt in 60 watt ranges
Load Input	VOLTS PROTECTION: (250 volts DC + peak AC). REVERSE VOLTAGE PROTECTION: diode
General	DIGITAL DISPLAY: LCD matrix. HUMIDITY: 0-99% no condensation. POWER REQUIREMENTS: 12 VDC, 300 mA min. (may be factory converted to 220 VAC). SIZE: 5.25" X 8" X 6.25" HWD. WEIGHT: approx. 3 lbs.

All specifications subject to change without notice.

PSL60 Accessory List

Supplied Accessories	60-G44 AC Power Adapter 39G481 Direct Test Lead
Optional Accessories	39G563 Direct Test Lead (reduced resistance)

PSL60 Universal Power Supply Load

New!

Now Dynamically And Accurately Load The Power Supply To Pinpoint Defects And Reduce Troubleshooting Time!



- Determine if the system's defects are in the power supply or the load circuitry
- Simulates different power demands or "loading" on the power supply output to duplicate symptoms and identify power supply problems
- Analyzes the power output capability of any power supply that outputs 4 to 200 volts
- Analyzes the current limiting circuits of a switching power supply to identify limiting defects



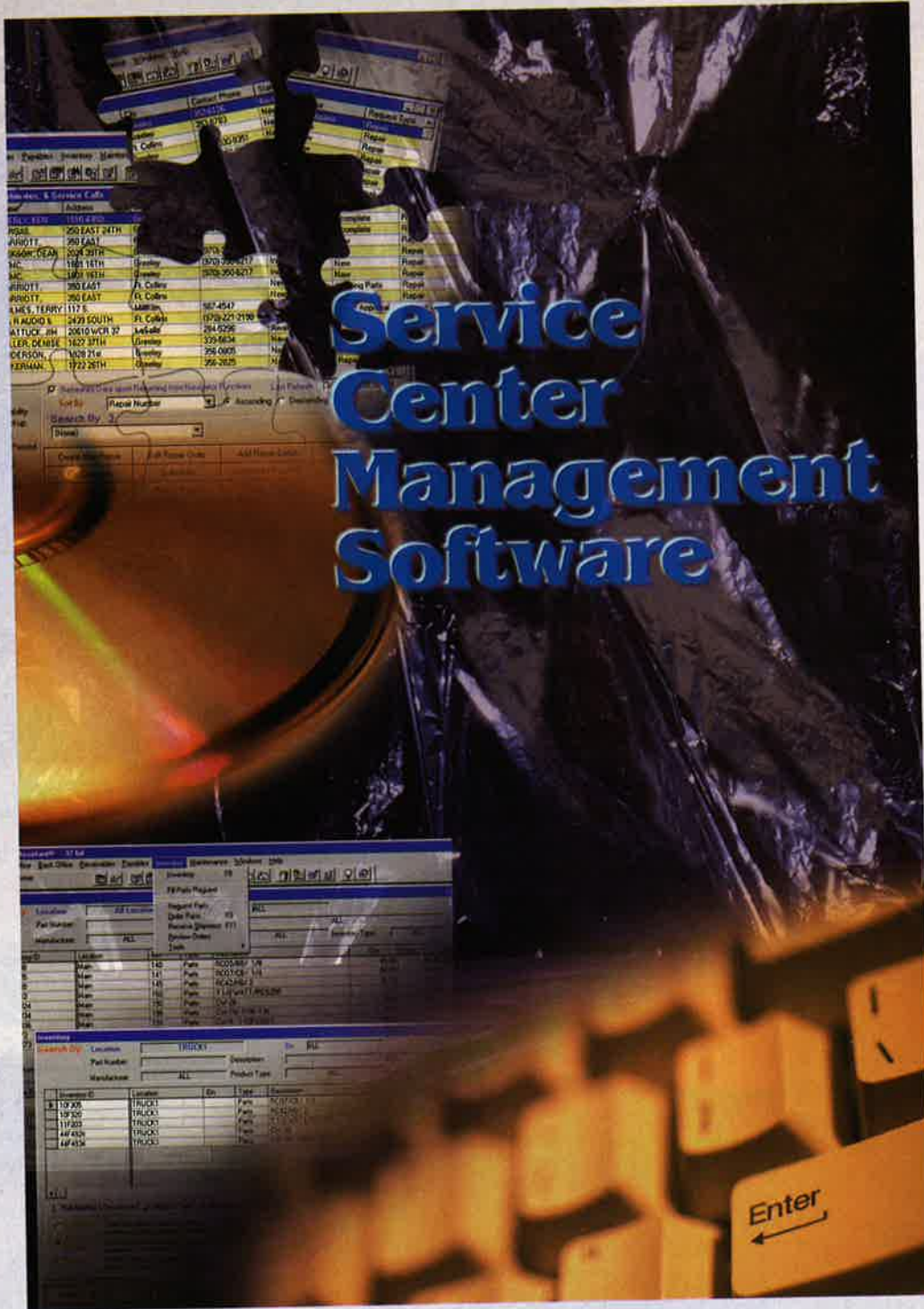
PSL60 Specifications

Load Ranges	Sets the power and voltage range of the electronic load RANGES: 20 Watts, 4-20 Volts 20 Watts, 15-60 volts 60 Watts, 15-60 volts 60 Watts, 4-20 volts (10 amps max.) 60 Watts, 50-200 volts
Input Volt Meter	Measures input voltage to the electronic load. RANGE: + .1-250 volts. ACCURACY: 1%, (2 counts). RESOLUTION: .1 volts
Load Current Settings	Sets the current level to the electronic load. RANGE: .01-10 amps. ACCURACY: 3%, (2 counts). RESOLUTION: (range dependent) .01 amps to .99 amps, .1 amps to 10 amps
Power Meter	Indicates electronic load power (volts X current). RANGE: .1-60 watts. ACCURACY: 4%, (4 counts). RESOLUTION: .1 watt in 20 watt ranges, 1 watt in 60 watt ranges
Load Input	VOLTS PROTECTION: (250 volts DC + peak AC). REVERSE VOLTAGE PROTECTION: diode
General	DIGITAL DISPLAY: LCD matrix. HUMIDITY: 0-99% no condensation. POWER REQUIREMENTS: 12 VDC, 300 mA min. (may be factory converted to 220 VAC). SIZE: 5.25" X 8" X 6.25" HWD. WEIGHT: approx. 3 lbs.

All specifications subject to change without notice.

PSL60 Accessory List

Supplied Accessories	60-G44 AC Power Adapter 39G481 Direct Test Lead
Optional Accessories	39G563 Direct Test Lead (reduced resistance)



Solutions

*Coming together is a beginning...
 Keeping together is progress...
 Working together is a success!*

PSL60 Universal Power Supply Load

New!

Now Dynamically And Accurately Load The Power Supply To Pinpoint Defects And Reduce Troubleshooting Time!



- Determine if the system's defects are in the power supply or the load circuitry
- Simulates different power demands or "loading" on the power supply output to duplicate symptoms and identify power supply problems
- Analyzes the power output capability of any power supply that outputs 4 to 200 volts
- Analyzes the current limiting circuits of a switching power supply to identify limiting defects



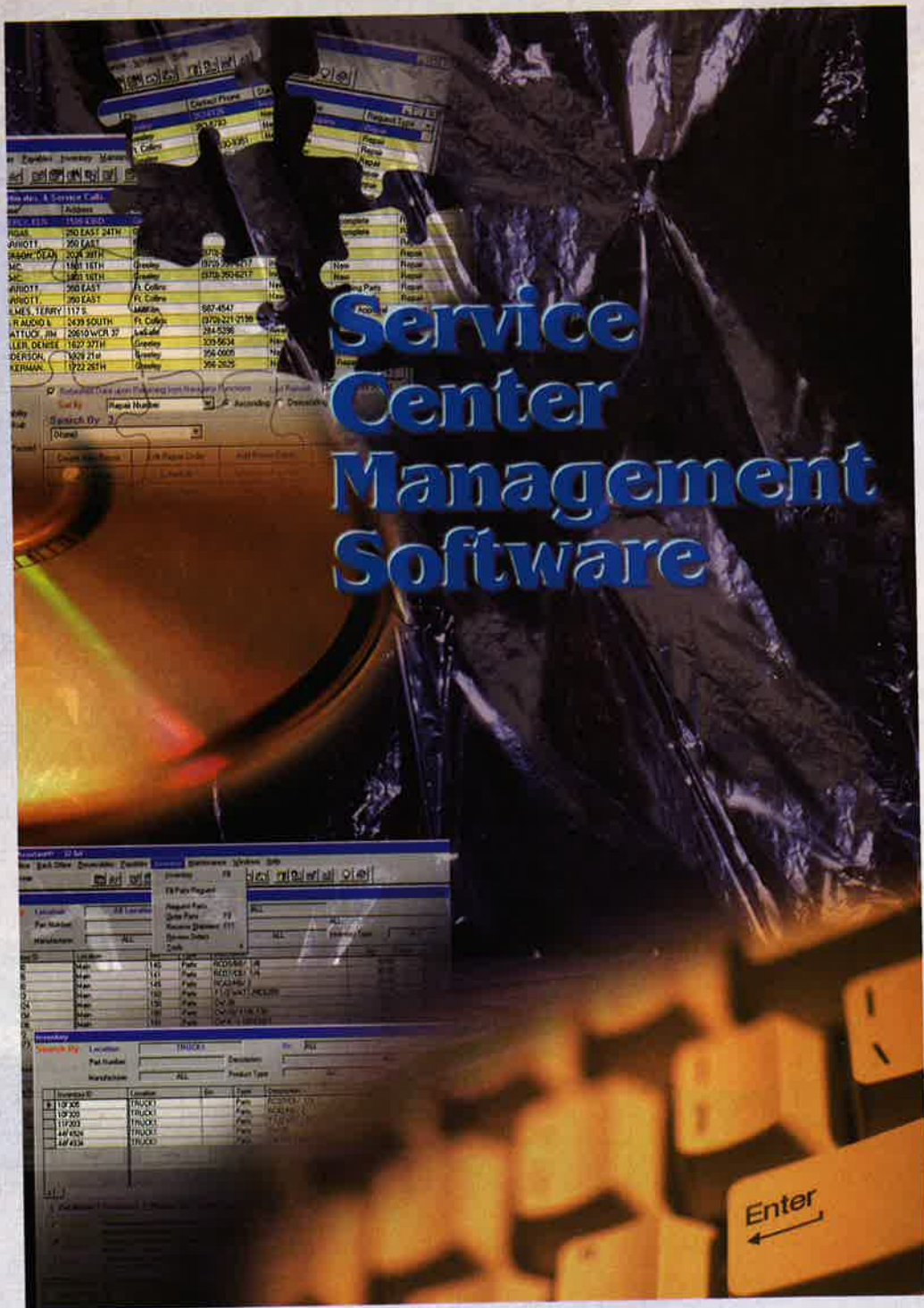
PSL60 Specifications

Load Ranges	Sets the power and voltage range of the electronic load RANGES: 20 Watts, 4-20 Volts 20 Watts, 15-60 volts 60 Watts, 15-60 volts 60 Watts, 4-20 volts (10 amps max.) 60 Watts, 50-200 volts
Input Volt Meter	Measures input voltage to the electronic load. RANGE: + .1-250 volts. ACCURACY: 1%, (2 counts). RESOLUTION: .1 volts
Load Current Settings	Sets the current level to the electronic load. RANGE: .01-10 amps. ACCURACY: 3%, (2 counts). RESOLUTION: (range dependent) .01 amps to .99 amps, .1 amps to 10 amps
Power Meter	Indicates electronic load power (volts X current). RANGE: .1-60 watts. ACCURACY: 4%, (4 counts). RESOLUTION: .1 watt in 20 watt ranges, 1 watt in 60 watt ranges
Load Input	VOLTS PROTECTION: (250 volts DC + peak AC). REVERSE VOLTAGE PROTECTION: diode
General	DIGITAL DISPLAY: LCD matrix. HUMIDITY: 0-99% no condensation. POWER REQUIREMENTS: 12 VDC, 300 mA min. (may be factory converted to 220 VAC). SIZE: 5.25" X 8" X 6.25" HWD. WEIGHT: approx. 3 lbs.

All specifications subject to change without notice.

PSL60 Accessory List

Supplied Accessories	60-G44 AC Power Adapter 39G481 Direct Test Lead
Optional Accessories	39G563 Direct Test Lead (reduced resistance)



Service Center Management Software

Solutions

*Coming together is a beginning...
 Keeping together is progress...
 Working together is a success!*

Regardless of the type of service business we're in, we face challenges every day managing our operations. From managing customer communications to inventory, we are forced to find better and more effective ways to remain competitive as electronic servicers, often without the luxury of adding personnel to help track and manage our business operations. Add to this the added demands of employee productivity, vendor relationships, and manufacturer warranty claims, things can seem like they get out of control very quickly.

So, "How can a software package improve my business?" you might ask. The answer from management and business owners is not surprising. Any package implemented must make the business easier to run, provide the proper management reports, and increase the businesses' productivity and profitability.

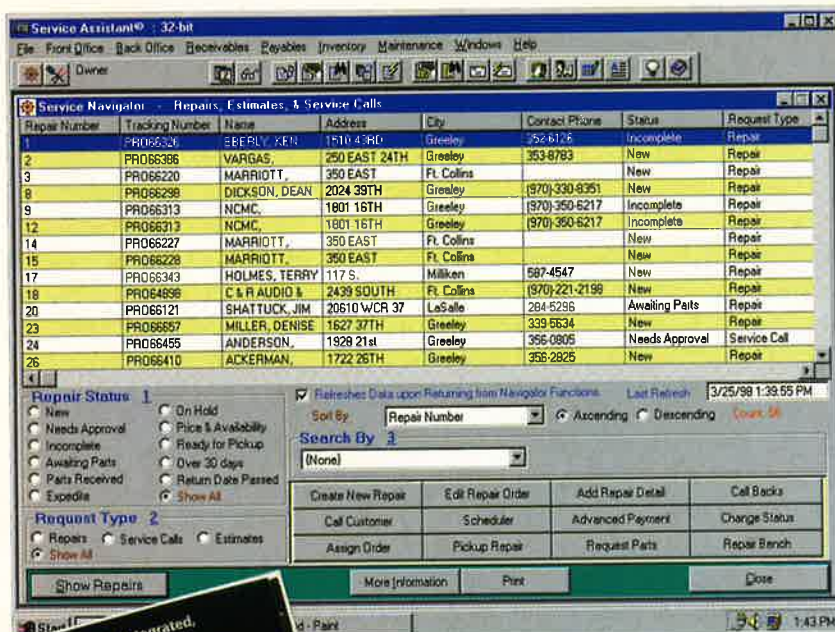
In order to increase productivity, you must be able to track it; you should be able to report what each technician invoiced, scrapped, restocked, and reworked each day, week, month, or year. The most effective service centers maintain a minimum inventory of repair parts. Your system should tell you what parts to maintain (based on use) and which vendors are satisfying your needs in keeping a small inventory. A business management system should tell you about cash flow in the business; what are the hot months, where you should focus your advertising, who are your "new" customers. Your system should provide useful reports, and you should be able to create new reports that meet your specific needs. The data in your system is yours and you should have easy access to it. The same information should never be input twice (or three times) into the system. Warranty claims information should be automatically gathered during the repair (as much as possible) and warranties should be tracked until they are satisfied.

The bottom line is, whatever business management software package you choose, you must see increased productivity and profitability. Your business should directly benefit in increased productivity, more business, better warranty tracking, and ultimately more dollars in your pocket. Again, the system should work the way you work!

SENCORE

Service Center Management Software

SA32 Service Assistant System Software



The first fully integrated, 32 bit windows-based business management software system that is guaranteed to streamline your repair processing for increased profits and productivity!



SA32 – Service Assistant
 SA32N – NET.PRO Network Program
 SA32NS – NET.PRO Workstation
 SA32TS – Tech Support
 SA32OST – On-Site Training and Install
 SA32NL – NET.LITE
 SA32RB – Repair Bench

Service Assistant
by Sencore

Prior to the mid 1980's, business management was predominantly a paper driven system. Very few electronic service operations could afford the price of customized, main frame systems and software.

Today, you need to be able to account for every component, time spent, expenses, receivables, and payables to run a business. Most of today's PC-based business software lacks the full capability you need to effectively run your business, or offer an off-the-shelf solution that hardly pertains to your business

We now include:

- On-Site Installation
- Training To Suit The User
- "PC Anywhere" Shipped With Network
- FTP & Web Site Support
- The personal attention required to improve your business

Let Service Assistant set you free to improve your business and profits from drop-off to pick-up and beyond!

Things Sencore's Service Assistant Program Will Do For You!

Contact Management & Custom Reports

Your new program should allow you to track all of your customers and vendors. You should be able to see when the customer last visited, what they had serviced, and a complete service history on the customer. Your program should provide you with a lot of reports and you should be able to develop custom reports as necessary. Your reports should tell you where you are making and losing the most money and what direction to take your business for maximum profits.

Accounts Payable

Everyone incurs expenses. Businesses need to manage expenses to manage cash flow. By understanding where, when, and how you pay your parts bills, rents, leases, and shipping costs, today's business software solution should allow you to quickly get your cash flow under control.

Complete Inventory Management Control System

Tracking components, shop supplies, and other items is an important part of record keeping. Your service center software should allow you to instantly determine what happened to the last order of components, whether they were used in a completed service or whether they are still on the shelf. Your software should be able to track multiple locations, allow parts cross referencing, and work in real time throughout the network. You should also have a shipping and receiving section that is automatically updated during the repair process.

Accounts Receivable

Your future business management program should allow you not only to track unpaid repair order invoices, but also give you the flexibility of tracking payments and setting up special terms. In addition, purchase history is important when managing cash flow and for trending history for future projections.

Technician Productivity

Most company's biggest expense is labor. Knowing what your technician is doing and how well he is doing is a vital part of running your business. Any software solution you choose should be able to accurately tell you how well your technician is producing and how effective his troubleshooting techniques are.

Warranty Tracking And Filing

You need to file claims for warranty service. Your software should allow you to quickly file any claim through a variety of service providers with unlimited line item entries. Split claim processing and reconciliation is also a must these days. Your warranty feature should not require re-entry of data already entered during the repair.

Compatibility

This means Windows 95 and Windows NT. For larger operations running networks or planning on upgrading to networks, a true client/server program is a must, with variable access for different levels of access. Compatibility also means being able to "get to" your data, if necessary, with other products and tools. Windows compatibility also means the product should be easy to use. You should also be able to import some of your existing data if not all. Any program you use should be web enabled and year 2000 compatible.

A Complete Tracking System

Today's business management software solution should allow you to track all aspects of your business, from customers to products serviced. You need the ability to quickly access customer records, service history, work in process and parts status. You also need to be able to schedule and track service calls.





TV-RF Distribution Analyzers

Value

*Always give people
more than they
expect to get*

Things Sencore's Service Assistant Program Will Do For You!

Contact Management & Custom Reports

Your new program should allow you to track all of your customers and vendors. You should be able to see when the customer last visited, what they had serviced, and a complete service history on the customer. Your program should provide you with a lot of reports and you should be able to develop custom reports as necessary. Your reports should tell you where you are making and losing the most money and what direction to take your business for maximum profits.

Accounts Payable

Everyone incurs expenses. Businesses need to manage expenses to manage cash flow. By understanding where, when, and how you pay your parts bills, rents, leases, and shipping costs, today's business software solution should allow you to quickly get your cash flow under control.

Complete Inventory Management Control System

Tracking components, shop supplies, and other items is an important part of record keeping. Your service center software should allow you to instantly determine what happened to the last order of components, whether they were used in a completed service or whether they are still on the shelf. Your software should be able to track multiple locations, allow parts cross referencing, and work in real time throughout the network. You should also have a shipping and receiving section that is automatically updated during the repair process.

Accounts Receivable

Your future business management program should allow you not only to track unpaid repair order invoices, but also give you the flexibility of tracking payments and setting up special terms. In addition, purchase history is important when managing cash flow and for trending history for future projections.

Technician Productivity

Most company's biggest expense is labor. Knowing what your technician is doing and how well he is doing is a vital part of running your business. Any software solution you choose should be able to accurately tell you how well your technician is producing and how effective his troubleshooting techniques are.

Warranty Tracking And Filing

You need to file claims for warranty service. Your software should allow you to quickly file any claim through a variety of service providers with unlimited line item entries. Split claim processing and reconciliation is also a must these days. Your warranty feature should not require re-entry of data already entered during the repair.

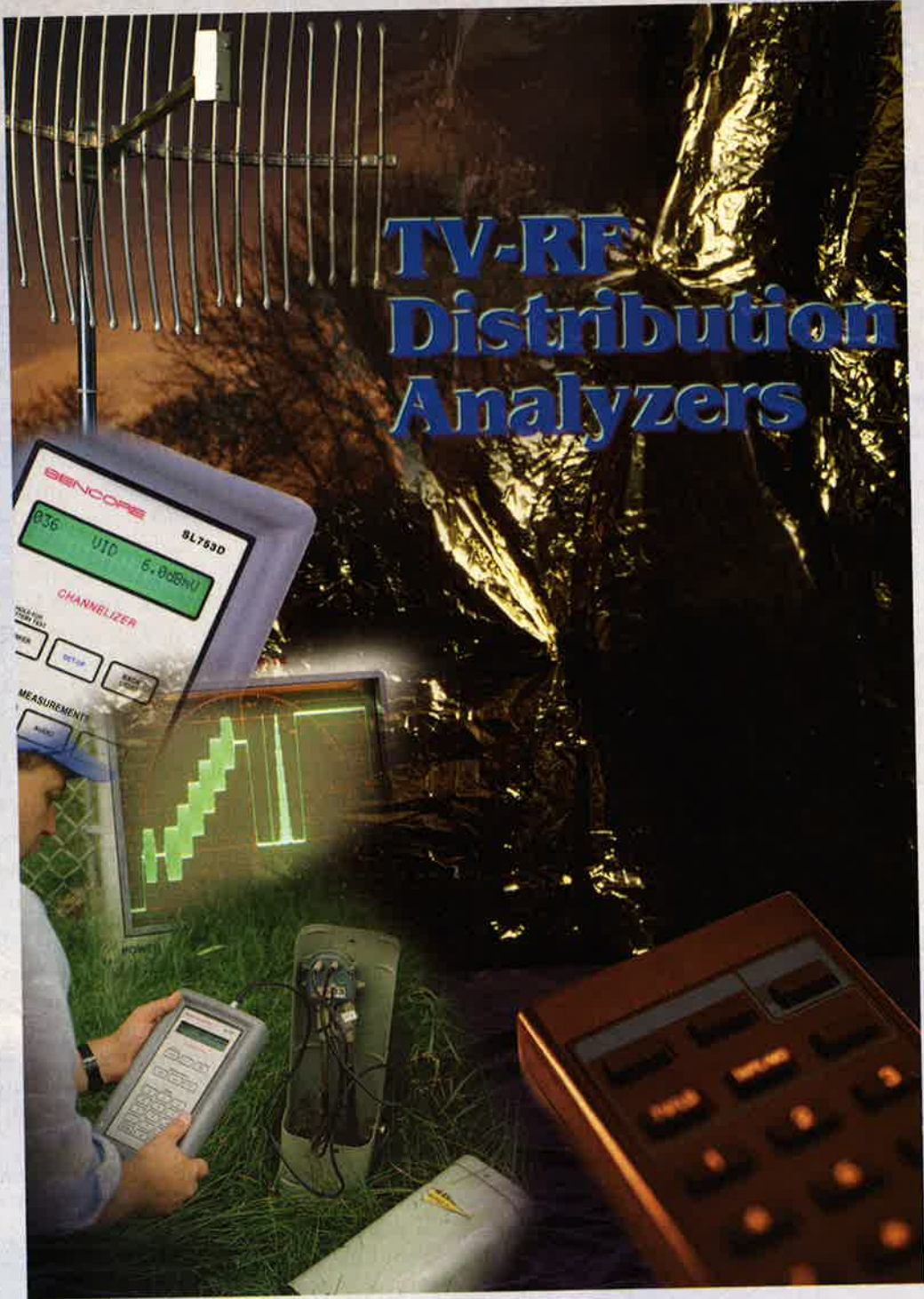
Compatibility

This means Windows 95 and Windows NT. For larger operations running networks or planning on upgrading to networks, a true client/server program is a must, with variable access for different levels of access. Compatibility also means being able to "get to" your data, if necessary, with other products and tools. Windows compatibility also means the product should be easy to use. You should also be able to import some of your existing data if not all. Any program you use should be web enabled and year 2000 compatible.

A Complete Tracking System

Today's business management software solution should allow you to track all aspects of your business, from customers to products serviced. You need the ability to quickly access customer records, service history, work in process and parts status. You also need to be able to schedule and track service calls.





TV-RF Distribution Analyzers

Value

*Always give people
more than they
expect to get*

SL753D "CHANNELIZER"™ Signal Level Meter

Patented



The Only Easy To Use All Channel/Frequency Installer Meter With Exclusive On-Channel Tests And A Full Six Hours Of Continuous Use!

The SL753D "CHANNELIZER"™ installation meter was designed for quick and easy operation with no confusing on-screen graphics or complex menus to follow. The easy-to-use keypad lets you tune in the channels or frequencies you need (50-810 MHz), plus you can customize the "CHANNELIZER"™ to match your channel plans. With a measuring range from -35 dBmV to +60 dBmV, the SL753 lets you test systems at a variety of points for added flexibility.

Signal quality parameter testing is a snap with the "CHANNELIZER."™ You get tests for video level and audio level, plus a non-intrusive test for hum. Its rugged case design and exclusive battery management system are designed to maximize the life of the SL753D without compromising performance.

ON GSA CONTRACT (SEE PAGE 67)

SL754D Hand-Held "CHANNELIZER"™ Automatic Signal Level Meter

Patented



The Only Service Meter Designed To Cover All Your System Testing Needs Now And In The Future!

The SL754D is an easy-to-use, hand-held signal level meter that tunes by frequency or channel from 5-810 MHz including sub-band and UHF channels. You can test signal levels anywhere in your system from -35 dBmV to +60 dBmV automatically without changing attenuation. Choose from eight pre-programmed channel plans or generate your own custom plan.

You can automatically test all or some of the system information you need to insure a quality signal with just a quick look at the two line, back-lit LCD display. Auto Inspect capabilities include:

- Tilt
- P/V
- Ch. To Ch. Variation
- All Ch. To Ch. Variation
- Lowest Carrier Level
- Max A/V Ratio
- Min C/N Level
- Flatness
- Max Hum
- Highest Carrier Level

ON GSA CONTRACT (SEE PAGE 67)

DSL757 "DIRECTOR" Digital Signal Level Meter

Patented



The Only Easy-To-Use Wireless Technician's Meter With Down-Converter Power Source And Six Hours Of Continuous Use In A Field Ready, Weather Tight Package!

The DSL757 is designed exclusively for the wireless cable industry. Its lightweight design, down-converter power supply, and bar graph provide the tools needed for a quality installation every time. With full channel or frequency keypad tuning from 50-810 MHz, the DSL757 shows you the signal strength digitally and with a bar graph indicator from -35 dBmV to +60 dBmV. Use the eight pre-programmed channel plans or build your own custom plan.

The exclusive 18 volt 500 mA LNB power source provides a reliable and portable voltage source for making antenna alignments or troubleshooting power inserter problems. The exclusive Energy Management System eliminates overcharging and minimizes battery memory problems.

CA780 "CABLEIZER"™ Metallic Cable Analyzer

Patent Pending



Quickly And Easily Locate Defects In All Metallic Cable With A Highly Sensitive Analyzer And Easy-To-Read LCD Display!

The CA780 "CABLEIZER"™ minimizes downtime by quickly and accurately locating cable faults, including kinks, splits, radial cracks, and more. Superior 65 dB sensitivity provides the capability to find even minor faults. The CA780 also lets you determine the length of buried cable or a spool of cable with just the push of a button. And you can automatically determine the VOP of a known length of cable with no calculations or interpretation errors.

The "CABLEIZER"™ identifies the exact distance to cable faults, the first time, every time, so you can get it repaired. You get a visual indication of the fault and its type with a digital readout of the distance to the defect - from a few feet up to 65,000 feet. Just push a button and the CA780 stores the signature of the cable you're testing.

VIG791 CATV VITS Generator

Patent Pending



VSA794 CATV Video Signal Analyzer

Patent Pending



The First VITS Insertion Generator Designed Exclusively For CATV That Generates And Inserts Both Required Signals Simultaneously!

Now You Have The Versatility And Convenience Needed For Complete Headend Testing!

The VIG791 can be used to generate and insert two VITS video test signals in the VBI (vertical blanking interval) of any channel. VITS test signals are transparent to the customers and can be measured by the Sencore VSA794 or other video analyzers - providing a complete FCC quality test of the channel video performance. Sencore's exclusive signal router accessory can be permanently installed in a channel's video path, providing test signal insertion without interference to the channel's operation.

The special test signals provide capabilities for analyzing these special tests on one live channel:

- Differential Gain & Phase
- In-Channel Frequency Response
- Chroma To Luma Delay
- Percent Modulation • S/N & Hum

The VSA794 gives you the versatility and convenience that you need for complete baseband video testing in one complete waveform monitor/vectorscope. This exclusive instrument provides digitally accurate, automated measurements for complete testing without interference to your system.

One-button, automatic tests of key CATV video measurements make your FCC testing easy and accurate with minimum capital investment. The VSA794 provides direct digital readouts of these key parameters without complex calculations or interpretations:

- Differential Gain & Phase
- In-Channel Frequency Response
- Chroma To Luma Delay
- Percent Modulation
- S/N & Hum

QAM Analyzers



QAM961 – Designed to work with the Davic System

QAM962-B – MMDS designed to work with the QAM 64 Annex B System

QAM970 – Designed to work with the QAM 64 Annex B System

- Full tuning capabilities to test channels or carriers throughout your system
- Digital power measurements that give you average power level across the full channel space – not peak power measurements
- Quick and accurate estimated BER testing to help determine signal quality that is being delivered to the customer
- Equalization measurements that help determine micro-reflections (in the system or cable drop) without interrupting service to your customer
- Signal-to-Noise measurements to determine the quality of signal and identify problems with either signal or system noise
- Quick Good/Bad visual test to determine whether the set-top will operate properly when the signal is applied

The new QAM analysis meters are designed to provide you with a rugged, hand-held, weatherproof meter to make measurements of QAM modulated signals anywhere in your system. The meters will accurately tune by channel or frequency any QAM 64 modulated or analog signal, from 50 to 860 MHz for complete system testing. They will also provide you with full signal power measurements from -24 to +34 dBmV for taking power level readings throughout your system.

The Sencore QAM Analysis meters feature an exclusive Estimated Bit Error Rate Test designed to make accurate BER measurements on active digital channels in less than 10 seconds per channel for quick and reliable system testing and troubleshooting. The Drop Compensation test ensures complete system

compatibility between all drop components. The Equalization measurement allows you to identify any signal anomalies including micro reflections or faults in the cable that may cause signal quality problems.

To ensure signal quality, the new QAM meters provide digital Carrier-To-Noise measurement capabilities. Plus the QAM meters provide true analyzing capabilities with an exclusive "Auto" function for easy system documentation and future test comparisons.

The new QAM analysis meters feature a "Smart Charge" Battery Charging System to eliminate overcharging and battery fatigue problems with an exclusive quick charge and battery conditioning system. They also are backed by Sencore's industry exclusive 3-year signal level meter warranty.

VIG791 CATV VITS Generator

Patent Pending



The First VITS Insertion Generator Designed Exclusively For CATV That Generates And Inserts Both Required Signals Simultaneously!

The VIG791 can be used to generate and insert two VITS video test signals in the VBI (vertical blanking interval) of any channel. VITS test signals are transparent to the customers and can be measured by the Sencore VSA794 or other video analyzers - providing a complete FCC quality test of the channel video performance. Sencore's exclusive signal router accessory can be permanently installed in a channel's video path, providing test signal insertion without interference to the channel's operation.

The special test signals provide capabilities for analyzing these special tests on one live channel:

- Differential Gain & Phase
- In-Channel Frequency Response
- Chroma To Luma Delay
- Percent Modulation • S/N & Hum

VSA794 CATV Video Signal Analyzer

Patent Pending



Now You Have The Versatility And Convenience Needed For Complete Headend Testing!

The VSA794 gives you the versatility and convenience that you need for complete baseband video testing in one complete waveform monitor/vectorscope. This exclusive instrument provides digitally accurate, automated measurements for complete testing without interference to your system.

One-button, automatic tests of key CATV video measurements make your FCC testing easy and accurate with minimum capital investment. The VSA794 provides direct digital readouts of these key parameters without complex calculations or interpretations:

- Differential Gain & Phase
- In-Channel Frequency Response
- Chroma To Luma Delay
- Percent Modulation
- S/N & Hum

QAM Analyzers



QAM961 – Designed to work with the Davic System

QAM962-B – MMDS designed to work with the QAM 64 Annex B System

QAM970 – Designed to work with the QAM 64 Annex B System

- Full tuning capabilities to test channels or carriers throughout your system
- Digital power measurements that give you average power level across the full channel space – not peak power measurements
- Quick and accurate estimated BER testing to help determine signal quality that is being delivered to the customer
- Equalization measurements that help determine micro-reflections (in the system or cable drop) without interrupting service to your customer
- Signal-to-Noise measurements to determine the quality of signal and identify problems with either signal or system noise
- Quick Good/Bad visual test to determine whether the set-top will operate properly when the signal is applied

The new QAM analysis meters are designed to provide you with a rugged, hand-held, weatherproof meter to make measurements of QAM modulated signals anywhere in your system. The meters will accurately tune by channel or frequency any QAM 64 modulated or analog signal, from 50 to 860 MHz for complete system testing. They will also provide you with full signal power measurements from -24 to +34 dBmV for taking power level readings throughout your system.

The Sencore QAM Analysis meters feature an exclusive Estimated Bit Error Rate Test designed to make accurate BER measurements on active digital channels in less than 10 seconds per channel for quick and reliable system testing and troubleshooting. The Drop Compensation test ensures complete system

compatibility between all drop components. The Equalization measurement allows you to identify any signal anomalies including micro reflections or faults in the cable that may cause signal quality problems.

To ensure signal quality, the new QAM meters provide digital Carrier-To-Noise measurement capabilities. Plus the QAM meters provide true analyzing capabilities with an exclusive "Auto" function for easy system documentation and future test comparisons.

The new QAM analysis meters feature a "Smart Charge" Battery Charging System to eliminate overcharging and battery fatigue problems with an exclusive quick charge and battery conditioning system. They also are backed by Sencore's industry exclusive 3-year signal level meter warranty.

QAM Measurement Specifications:

LEVEL Mode	AMPLITUDE RESOLUTION: .1 dB. AMPLITUDE ACCURACY: ± 1.0 dB. LEVEL LINEARITY: $\pm .75$ dB from -40 dBmV to +60 dBmV. FLATNESS: $\pm .75$ dB from 5 MHz to 750 MHz. Typical: ± 1.5 Total, @ 70 degrees F
C/N Ratio	AUTOMATIC OFF CHANNEL TEST: AMPLITUDE RESOLUTION: 0.1 dB. AMPLITUDE ACCURACY: ± 1.0 dB. DYNAMIC RANGE: Input Level 40 dB below actual result (i.e. -10 dBmV input provides a maximum C/N result of +30 dB, 0 dBmV input provides a maximum C/N result of +40 dB). (Noise Reference is set under the CONFIG section) NOISE REFERENCE FREQUENCY: User-defined 300 kHz wide sample anywhere from 5 MHz to 750 MHz
S/N Ratio (digital channels only) (QAM962/970 only)	METHOD: Statistical analysis of the QAM constellation. Errors calculated from the demodulated I and Q signals. Range: 0 to 30 dB* (normally signal lock is lost at a result approximately 22 dB) *On carriers with level ≥ -10 dBmV
Tuning	QAM961: 116-128 MHz, 210-408 MHz. QAM962/970: 5 MHz-756 MHz. CHANNEL PLANS: MMDS Digital (961), FCC/EIA, HRC, IRC, VHF/UHF, MMDS (962 only), FCC Digital, MMDS Digital (962 only)
RF Input	SENSITIVITY: -34 to +24 dBmV (961), -40 to +60 dBmV (962/970) INPUT IMPEDANCE: 75 ohms, unbalanced. RETURN LOSS: 14 dB minimum. MAXIMUM SAFE INPUT: 100 Volts DC + AC peak < 1kHz, +65 dBmV > 1 kHz
Equalization	PERCENT DISPLAY RANGE: 0 to 100%. Reading is expressed in a percent of total equalizer activity. DB DISPLAY RANGE: Feed Forward Equalizers +10 to -50 dB. Decision Feedback Equalizers -8 to -68 dB
Composite Level	AMPLITUDE RESOLUTION: 0.1 dB. AMPLITUDE ACCURACY: ± 1.0 dB. DYNAMIC RANGE: -40 dBmV to +60 dBmV
Temperature Variance	Typical: ± 1.0 dBmV
Drop Comp	100 MHZ AND 750 MHZ RANGE: Range: 0.0 dBmV up to 9.9 dBmV. Drop Cable loss levels between 100 MHz and 750 MHz are calculated.
Estimated BER	RANGE: Raw Display Preference: $<1 \times 10^{-10}$ to $>9.9^{-4}$ (full floating decimal) before Reed Solomon Coding Forward Error Correction. CORRECTED DISPLAY PREFERENCE: $<1.0^{-10}$ to $>1.0^{-4}$ after Reed Solomon Forward Error Correction.
Auto Inspect	AUTO INSPECT TILT TEST: Amplitude Resolution: 0.1 dB. Amplitude Accuracy: ± 1.0 dB Range: Any two carrier levels -40 to +60 dBmV. AUTO INSPECT P/V TEST: Amplitude Resolution: 0.1 dB. Amplitude Accuracy: ± 1.0 dB. Range: Any two carrier levels -40 to +60 dBmV. AUTO INSPECT FLATNESS TEST: Amplitude Resolution: 0.1 dB. Amplitude Accuracy: ± 1.0 dB. Range: Calculated from any carrier with levels from -40 to +60 dBmV
LNB Power	18V @ 300 mA for 3 hours (does not apply to 970)

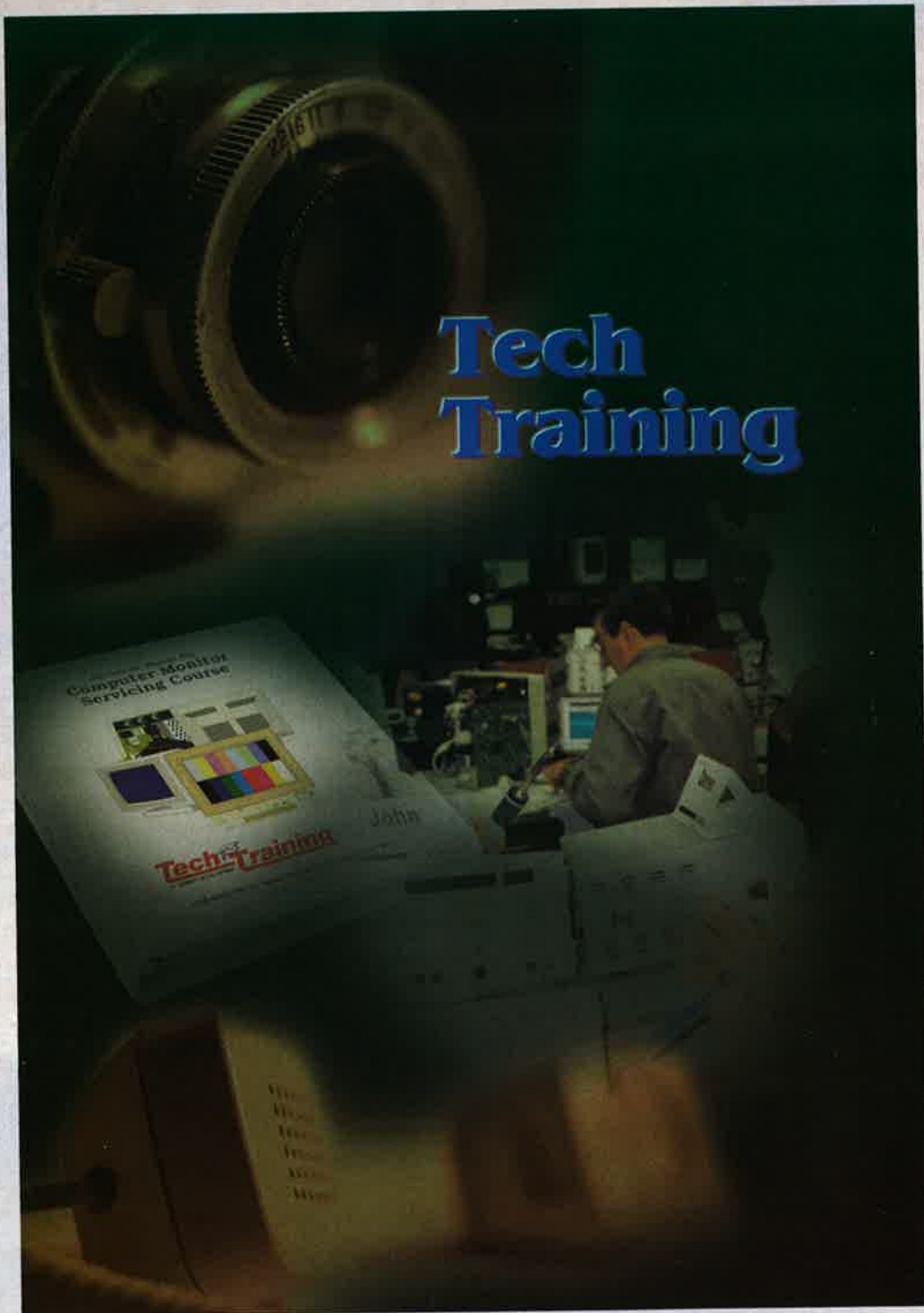
All specifications subject to change without notice.

QAM Accessory List

Supplied Accessories	Power Adapter
Optional Accessories	Carrying Case



SENCORE



Tech Training

Success

*To succeed, you need to challenge your capabilities,
accept and ask for help when needed,
and stay focused toward the future.*

TS100**"Hands-On" Computer Monitor Troubleshooting***(one full day)***Course topics include:**

- Computer monitor familiarization
- Troubleshooting signal processing circuits
- Troubleshooting sync, mode switching, and power management circuits
- Troubleshooting deflection and high voltage regulator circuits
- And much more!

If you want to learn what it takes, or just need a refresher on how to service computer monitors – this course is what you've been dreaming of.

**TS300****"Hands-On" Television Troubleshooting***(one full day)***Course topics include:**

- Troubleshooting horizontal and vertical deflection circuits
- Conventional TV troubleshooting methods
- Troubleshooting and isolating defects without a schematic
- In-home troubleshooting methods

The TV technician today is faced with troubleshooting more complex circuits, both on the bench and in the home. This course will give you what it takes to improve your bench TV troubleshooting skills and enhance your ability to service TVs in the home.

TS400**"Hands-On" Switch Mode Power Supply** *(one full day)***Course topics include:**

- Conventional power supply basics
- Common SMPS circuit configurations
- Troubleshooting Pulse Width Modulation SMPS
- Troubleshooting Pulse Rate Modulation SMPS
- Analyzing SMPS components

Tough switch mode power supplies made easy in just one day. Hard to believe, but true. You'll quickly learn what it takes just like thousands of other technicians who have been through this exciting, informative course.

SENCORE

TC100CD**Computer Monitor Service Training Course – Available on CD ROM***Course topics include:*

- Overview of computer monitor
- Servicing Safety
- Scan frequencies, pixels, and blanking times
- Troubleshooting techniques
- Switch mode power supplies
- Vertical deflection
- Horizontal deflection/high voltage
- Sync, multimode, and multiscan
- Video amplifiers
- CRT circuits
- Component testing

The new TC100CD teaches fast, efficient computer monitor troubleshooting using practical troubleshooting knowledge you can immediately use in your business. The TC100CD brings new technicians up to speed on monitor repair quicker,

increasing their efficiency to the level of an experienced technician. Complete with section checks and tests to track the learning progress of your technicians, this interactive computer based training makes learning interesting and fun.

TC100T**4 1/2 Day "Hands-On" Computer Monitor Course***Course topics include:*

- Switch mode power supply troubleshooting
- Multi-sync/multi-scan horizontal deflection circuit troubleshooting
- Vertical deflection circuit troubleshooting
- Computer monitor performance testing
- Video, sync, and mode circuit troubleshooting
- Plus much more!

Qualify to receive 3 CEU Credits.

Do you have what it takes to handle an intense 4 1/2 days of technical training on computer monitors at the Sencore factory in Sioux Falls, South Dakota?

Sure this class is tough, but when you leave, you will know how to fix computer monitors from the input connector to the CRT and have a troubleshooting certificate to prove it!

TC100**Computer Monitor Troubleshooting Self-Study Guide***Course topics include:*

- Troubleshooting switch mode power supplies
- Troubleshooting horizontal deflection circuits
- Troubleshooting vertical circuits
- Performance testing
- Troubleshooting video, sync, and mode circuits
- And much more!

This guide is a comprehensive, yet easy-to-use training course designed to help you become more efficient at computer monitor servicing. The course provides you with in-depth troubleshooting information on all of the complex monitor circuits, such as: switched mode power supplies, horizontal outputs, and CRT circuits. The Self Study Guide is great for everyone from technicians to instructors.

TT400

"Hands-On" Switch Mode Power Supply Course

New!



Includes:

- 3 power supplies with 'switch in' problems
 - Linear
 - Pulse rate modulated
 - Pulse width modulated
- Trainer base
- Universal Power Supply Load (PSL60)
- Self-Study Work Book
- Storage Case
- Certification Exam

Now gain the knowledge and experience needed to become proficient in using test equipment to troubleshoot switch mode power supplies

- Learn how to recognize common switching power supply types and problem symptoms
- Learn the functional stages and theory of the operation of switching mode power supplies
- Learn the effective troubleshooting procedures to isolate defects to the power supply or load circuit
- Learn the key test points among power supplies and the normal voltages or waveforms to expect at key test points

- Learn how to use test equipment to analyze symptoms and effectively measure voltages and waveforms
- Learn effective troubleshooting step-by-step procedures to isolate the power supply defect to a functional area of the supply
- Apply troubleshooting procedures on problem supplies to gain experience in power supply troubleshooting

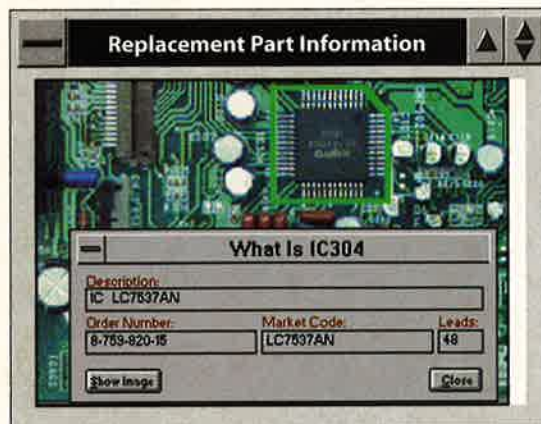
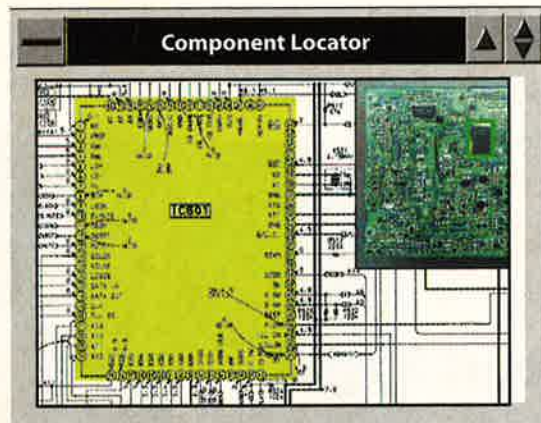


SENCORE

TechDisc Multimedia Service, Operation And Training Manuals

TechDisc for service technicians...

- Improve your service productivity and efficiency
- Save time searching for the part you need
- Instant access to training material helps you understand complicated circuits
- Increase your profit on every product you service



TechDisc is a new multimedia service and training tool designed to increase the productivity of professional service technicians. TechDisc is loaded with critical service information that enables you to fix equipment faster, avoid common errors, achieve higher servicing performance and improve your skills and technical knowledge while you work.

TechDisc Delivers These Dynamic Features

TechTour – Instant access to critical data on circuit theory and operation while you work. Eliminate flipping through pages of training manuals to find the information you need.

Repair – Step-by-step trouble trees with digital photographs of the circuit board to highlight test points. Helps you localize faulty components faster than ever.

Printing – All TechDisc information is printable so you can take a hard copy back to your bench... if you choose.

Request The TechDisc Solution

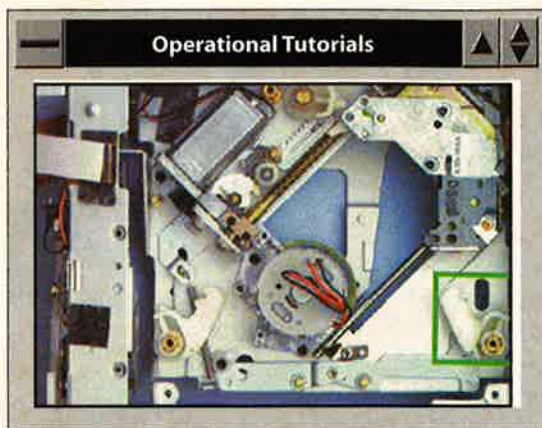
Sencore is currently working with consumer and computer electronics manufacturers to convert their service and training material to the TechDisc format. Encourage the manufacturers you work with to consider the TechDisc solution.



**Call Sencore for available
TechDisc Interactive Service Manual titles.**

TechDisc for manufacturers...

- Reduce learning time on your product 30-45%
- Reduce training costs (20% first year)
- Improve customer service while decreasing support costs
- Eliminate printing costs
- Get your customers up to speed faster on your product



With the cost of telephone support, field training, and servicing going through the roof, a new, affordable medium is needed for delivering critical product and service information to your customers and your service and support network.

Improve Productivity And Cut Costs With The TechDisc Solution

TechDisc is a new CD-ROM based, multimedia service and training tool designed to increase the productivity of the people that use, service, and support your products. TechDisc lets you package knowledge, procedures, and expertise and make it available to field engineers, customer service representatives, technical trainers, and your customers. High resolution photographs, audio clips, full motion video and animated graphics capture details, illustrate concepts, and demonstrate procedures quickly and comprehensively.

TechDisc provides critical information in real time, aiding efficient service and repair completion. TechDisc provides servicers a quantum increase in repair productivity with the power of interactive multimedia. TechDisc provides your customers quick access to the information they need to become proficient on your product faster. In addition, TechDisc significantly drives down your field training and telephone support costs by providing each of your customers and servicers with the critical information they need.

Two Ways To Get Started With TechDisc

First, with Sencore's TechDisc publishing system and digital production studio, our team of professional technical trainers, content authors, and multimedia developers can shape your existing support and training material into a cohesive, media-rich, interactive service and training product.

Or, Sencore can install a TechDisc Publishing System at your location. Our professional trainers work with your development staff to bring them up to the confidence level of efficiently creating your own highly interactive multimedia manuals.

Contact Sencore to find out how you can deliver critical service and training information with **TechDisc Multimedia Service, Operation, and Training Manuals.**

Sencore offers a complete selection of accessories to enhance the use of your Sencore instruments. The accessories listed in this section include some of our most popular items such as: probes, test leads, carrying cases, batteries, and other custom

items. Not all accessories are listed in this section. If you have an accessory question or would like to know all the accessories for your Sencore instrument, give your Area Sales Representative a call at **1-800-SENCORE**.

39G266 Synchronizing Inter-Connect Cable

Provides a connection between the VG91 Universal Video Analyzer's accessory output jack and the input jack of the TVA92 TV Video Analyzer or future accessories. This sturdy cable is designed for years of durable use.



HP200 50 kV DC High Voltage Probe

Just slip this probe over the standard Sencore meter probe and measure DC voltages to 50,000 volts. Use with any Sencore 15 megohm input digital meter. This probe increases your meter's range 100 times and increases the meter's input impedance to 1500 megohms. The HP200 provides the safety and protection you need for all types of high voltage testing.



TP212 10 kV DC, 1% Transient Protector Probe

Extend the input protection and measuring capabilities of your Sencore meter to 10,000 volts DC. This durable probe prevents damage and downtime each time it protects your instrument from high voltage surges. The TP212 increases the input impedance of your meter from 15 megohms to 150 megohms.



DP213 Universal Meter RF Detector Probe

Use this low cost RF detector probe to trace RF signals. The DP213 converts the RF signal to DC for easy measuring by a DC voltmeter. The supplied conversion chart helps to determine the RF level applied. Usable to 250 MHz.



TP225 "Sure-Hold" Alligator Clip Adapter Probe

Convert any standard alligator clip into a "sure-hold" test clip. This durable probe lets you make measurements in "tight fit" circuits because the nose of the probe is narrow enough to clip onto the leg of a transistor or a pin of an IC. Purchase a "sure-hold" alligator clip adapter probe for each instrument you own.



DP270 Direct Probe For The SC3080 & SC3100

Connect directly to the DCV input jacks of the SC3080 and SC3100 "AUTO TRACKER." This special probe lets you take a separate DC voltage measurement while viewing a different waveform on the scope's CRT.



BY234 12 Volt Rechargeable Battery

For use with many of Sencore's portable instruments including the Z Meters, PA81, ST66, SR68, and FC71. These heavy duty, rechargeable, lead acid batteries are guaranteed to provide hours of continuous operation. On GSA Contract (See page 67)





PA251 AC Power Adapter For Portable Z Meters

Use this special power adapter to operate Sencore's portable Z Meters. It is protected to 1500 volts (DC plus peak AC) to protect your instrument when it is necessary to float the common lead above earth ground. These Sencore instruments can be equipped with rechargeable batteries, in which case the PA251 also serves as a battery charger.



AN210 Frequency Counter Pick-up Antenna

This pick-up antenna lets you measure the output frequency of a transmitter by simply counting the RF transmitted through the air. Just connect this adjustable antenna to the 50 ohm or 1 megohm input of the FC71 and measure off-the-air frequencies of commercial AM, FM, TV, hand-held transmitters, and mobile radios – all without any time consuming connections.



FC221 Capacitor/Inductor Field Calibrator

This handy calibration tester lets you confirm your Z Meter is within its published specification. Low drift capacitors and inductors are individually compared to Sencore's NBS traceable standards, and their exact value written on the FC221 front panel. Note: These standards are only accurate with the dynamic DC tests used by our line of "Z Meters". We suggest that you return your FC221 to the Factory Service Department whenever you return your unit for service or calibration so the calibration of the FC221 can be rechecked against our standards.



SCR250 SCR & Triac Accessory For Any Z Meter

Tests all SCRs and triacs with dynamic, reliable tests. The SCR250 is completely isolated and dynamically tests components at their full working voltage (up to 1000 volts). The controlled internal battery supply tests sensitive gate SCRs while guaranteeing turn-on of the most demanding high current industrial SCRs and triacs. The SCR250 is easy to set up and you don't need any specifications. Just select the test, push a button, and test. You'll never again have to guess whether or not an SCR or triac is good. On GSA Contract (See page 67)



CH255 Component Holder

A timesaving test fixture for the Sencore line of Z Meters. This holder allows you to test axial and radial lead components without hooking up test leads each time. Fully adjustable to test any size component.



CH256 Chip Component Test Lead

A specially designed test lead for the Sencore line of Z Meters. The special prongs on the end allow you to test clip-type or surface mount components. Gives you the satisfaction of testing these tiny components with confidence. On GSA Contract (See page 67)

SR280 Synchronous Router For VIG791

This signal insertion device provides high reliability loop-through of live video program and convenient VITS insertion without program interruption. Used with the VIG791 CATV VITS Insertion Generator, the SR280 permits testing without interruption to the customers' signals. Install additional routers permanently in the video path for future troubleshooting and measurements without channel service interruption.

**CC237 Black Plastic Lead Pouch**

This "kangaroo" pouch fits any instrument larger than 8 x 11 inches. It uses tough Velcro strips that you can apply in the field. No special glues or applicators needed.

**CC254 Z Meter Carrying Case**

This handy carrying case is recommended for the protection of the portable Z Meters (LC76, LC77, & LC102). The stylish CC254 is waterproof and padded to prevent damage caused by portable use. Featured are three pouches, one for application manuals and two for extra batteries or leads, allowing you to take everything you need in one case. And it's washable for years of attractive use.

(Meter not included.)

**PC259 Dust Cover And Lead Storage Compartment**

Use this snap-on cover to help keep your instrument's (SG80, PA81, PM82, VG91, TVA92, VC93, CVA94, VSA794, or SC3100) front panel looking like new. Built-in lead compartment stores leads and tools during portable use. Made of high impact, tough ABS plastic for extra strength and durability.

**CC271 Protective Carrying Case**

The protective carrying case provides additional protection and easy carrying for the SL750A and SL750M plus accessories. The CC271 is field installed without tools and insulates your SL750A against the knocks and bumps that are typical of everyday field use. The additional protection will help keep your SL750 looking new longer and working long after other equipment has failed.

**CC276 Protective Carrying Case For The SL753D**

This protective carrying case provides additional protection and easy carrying for the SL753D. The CC276 insulates your SL753D against the knocks and bumps that are typical of everyday field use. The additional protection will help keep your SL753D looking new longer and working long after other equipment has failed. Plus, the SL753D can be operated through the vinyl window without removing the unit from the protective carrying case and is field installed without tools.

(Meter not included.)

**CC277 Protective Carrying Case For The CA780**

The CC277 protective carrying case for the CA780 provides additional protection against the bumps and bruises of everyday field service work. The CC277 also provides handy storage pockets for the PA273 charger and test leads. The additional protection provided by the CC277 will help keep your CA780 looking new and working long after other equipment has failed.

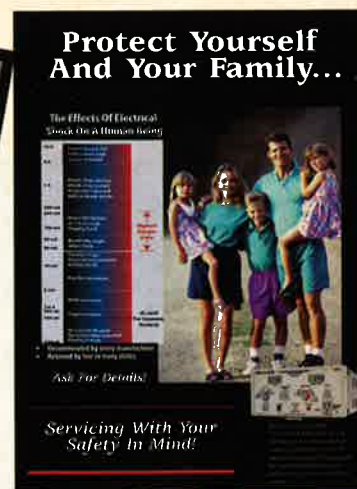
(Meter not included.)



Sencore's Value Added Business Building Resources

Call your Area Representative for a sample of any of the items listed below. You'll find they're geared to help make your business run as smoothly as possible, while helping to keep you profitable.

- | | | | |
|------|--|--------|---|
| 4979 | Guarantee of Performance (VCR Certification Sticker) | 6538 | Helpful Methods To Make Accurate Estimates |
| 6072 | 10 Ways To Add Profits To Your Business | 6632 | CR7000 Picture Tube Guarantee Certificate |
| 6412 | Guide To Repairing Lightning Damaged Sets | 6713 | Protect Yourself And Your Family (PR570 Poster) |
| 6457 | Technical Guide To Servicing Computer Monitors | 6714 | Computer Monitor Business Building Package |
| 6528 | Guide To Accurate & Profitable TV Servicing | 66K273 | Safety Certified Sticker (PR570) |



Call 1-800-SENCORE, Today!

Sencore Store

Sencore now has "Sencore" clothing available for you! Our store consists of hats, short and long sleeve shirts with a Sencore logo embroidered on them.

(See sizes and colors available below.)

\$29⁹⁵ All Long Sleeve Shirts
\$19⁹⁵ All Short Sleeve Polos

*Colored Shirts are 100% Cotton Twill
 Denim Shirts are 100% Cotton Denim
 Polos are 100% Combed Cotton Pique*



Men's Shirt Sizes: S-3X

The shirts & hats are marked with a # Use this # to identify Style & Color on the order form.

\$ 7⁰⁰ hats

Hats have an adjustable strap on the back.

HAT / SHIRT ORDER FORM

Item # (See Photo)	Quantity	Size	Price/Each	Total Price

S & H: Add \$5 for every hat/shirt ordered. Call for special pricing when ordering more than two. Sub Total: \$ _____
 SD Res. add 6% sales tax: \$ _____
 Shipping & Handling: \$ _____
 Total Order Dollar Amount: \$ _____

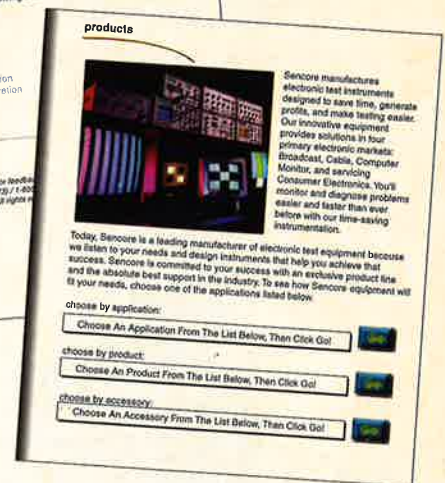
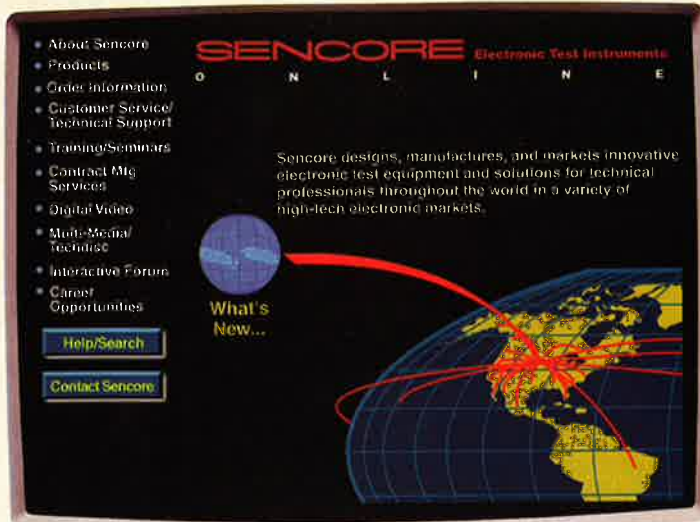
Select Payment Option
 Check Enclosed OR VISA MC
 Acct# _____
 Signature _____
 Exp Date: _____

Name _____
 Address _____
 City _____ State _____ Zip _____
 Ph# (_____) _____

Mail a photo copy of the order form to:
 SENCORE STORE, 3200 Sencore Drive, SF, SD 57107
 or FAX Order Form To: (605) 335-6379

Special Full Line Catalog Offer
Denim Shirts Only \$20.95

Sencore's Homepage - www.sencore.com



- What's New - keeps you up-to-date with Sencore
- About Sencore - see how Sencore got its start
- Products - complete explanation with specs and photos
- Order Information - easily enter your order for immediate processing
- Customer Service/Technical Support - if you have a question for Sencore
- Training/Seminars - complete up-to-date schedule
- Digital Video - new line of broadcast quality instruments
- Contract Manufacturing Services - check out this opportunity to have Sencore build you product
- Multi-Media/Techdisc - interactive CD ROM training material and manuals
- Interactive Forum - communicate directly with Sencore or other technicians
- Career Opportunities - see what available for a career with Sencore
- Contact Sencore - here's how you can contact anyone at Sencore

Now you can go to www.sencore.com 24 hours a day and discover facts and information about every facet of Sencore. From product information to our interactive forum, you'll have the information at your fingertips to learn more about our products and our company before you make that next important investment decision.

Our new "Interactive Forum" section gives you the chance to visit with technicians all

over the world or to ask Sencore a technical question. New products announcements and updates to training seminar schedules are always available in our "What's New" section. Plus, our "Contract Manufacturing Services" and new "Techdisc Multi-media" are covered in detail.

So, if you're surfing the web, look us up at www.sencore.com.

General Service Administration Federal Supply Schedule Authorized Federal Supply Schedule Price List

July 1, 1996
FSC Group 66 Part II Section J

INSTRUMENTS AND LABORATORY EQUIPMENT

FSC CLASS: 6625 **CAGE CODE:** 33347
CONTRACT NUMBER: GS-24F-0812A
CONTRACT PERIOD: 07/16/93 - 5/31/98
CONTRACTOR'S NAME: SENCORE INC.
ADDRESS: 3200 SENCORE DRIVE
 SIOUX FALLS, SOUTH DAKOTA 57107-0724
 605/339-0100 800/736-2673 FAX 605/339-0317
ADMINISTRATION SOURCES: Same as above
BUSINESS SIZE: Small



SIN	MODEL NUMBER	DESCRIPTION
627-10	TF46	Portable Super Cricket Transistor /FET Tester
627-20	VG91	Universal Video Generator
627-4	TVA92	TV Video Analyzer
627-4	VC93	All Format VCR Analyzer
627-4	CVA94	"Video Tracker"™ Camera Video Analyzer
627-31	LC102	"AUTO-Z"™ Automatic Capacitor/Inductor Analyzer
627-31	BY234	12 Volt Rechargeable Battery
627-31	SCR250	SCR And Triac Accessory For Any Z Meter
627-31	CH256	Chip Component Test Lead
627-4	PR570	"POWERITE II"™ AC Power Supply
627-4	SL753D	"CHANNELIZER"™ Signal Level Meter
627-4	SL754D	Hand-Held "CHANNELIZER"™ Automatic Signal Level Meter
627-4	CA780	"CABLEIZER"™ Metallic Cable Analyzer
627-4	CM2125	Computer Monitor Analyzer
627-4	HA2500	Universal Horizontal Analyzer
627-1	SC3100	"AUTO TRACKER"™ Automatic 100 MHz Waveform & Circuit Analyzer
627-10	CR7000	"BEAM-RITE"™ CRT Analyzer & Restorer

You can't make a wrong buying decision when you say "yes" to investing in Sencore test equipment. You're not investing in just an instrument, you're investing in your own piece of an entire organization dedicated to making you more successful. Here are our promises to you:

30 Day Money Back Guarantee

Sencore's no-nonsense 30 day money back guarantee assures you that you've made the right choice. Every Sencore instrument and accessory is covered by this guarantee of satisfaction. Simply stated:

"If you are not completely satisfied with any Sencore instrument, you may return it during the first 30 days and we'll give you a full refund, including freight, no questions asked."

You're always sure you've made the right decision when you say "**yes**" to a Sencore investment.

Product Warranty

Every Sencore instrument is warranted for one year against defects of any cause except acts of God and abusive use (three years for Sencore hand-held signal level meters). During this warranty period, Sencore will correct any covered defect without charge for parts, labor, or recalibration.

Made Right Guarantee

We guarantee your Sencore instrument was "Made Right" or we will make it right without charge for parts and labor for as long as you own the instrument. This lifetime guarantee covers any defects caused by faulty design or workmanship errors. All parts and labor necessary to correct a workmanship defect covered by this guarantee will be at no charge to you. There will be a recalibration and handling charge if the instrument is no longer covered by Sencore's one year warranty.

Service

Sencore's service for repairs on out-of-warranty Sencore instruments covers parts and labor for 120 days from the date of repair. Under this warranty, your instrument is guaranteed to be free of the same defect(s) for 120 days or we'll repair the problem at no charge for parts or labor.

Here's How To Order:

Call Our Toll-Free Number, 1-800-SENCORE (736-2673)

A friendly and knowledgeable Sales Representative will assist you with your test equipment needs. The same toll-free number puts you in touch with:

- Application Engineers for technical consultation on instrument use
- Service Technicians for quick field repair tips
- An entire factory of people dedicated to making you and your business more successful

Flexible Investment Options

Sencore gives you easy purchasing terms at low rates.

Your options include:

- Net 30
- 2 to 5 month split payment plan
- 6 to 48 month "Pay As You Grow" investment plans that include add-on with zero dollars down, on approved credit
- MasterCard or VISA
- COD or cash in advance

Fast Product Delivery

Most Sencore products are in stock and are shipped within 48 hours of receipt of your order – guaranteeing you maximum productivity right from the start. Overnight delivery is available for immediate needs.

We Stand Behind Everything We Sell

If you're not satisfied with your investment of Sencore equipment for any reason, just return it within 30 days. We'll give you a full refund, no questions asked.

Call Now!

1-800-SENCORE (736-2673)

Fax (605) 339-0317

Call Us Today!
1-800-SENCORE
(736-2673)

**For All Your Test
Instrument Needs.**

SENCORE

3200 Sencore Drive, Sioux Falls, SD 57107
Phone: (605)339-0100 Fax: (605)339-0317