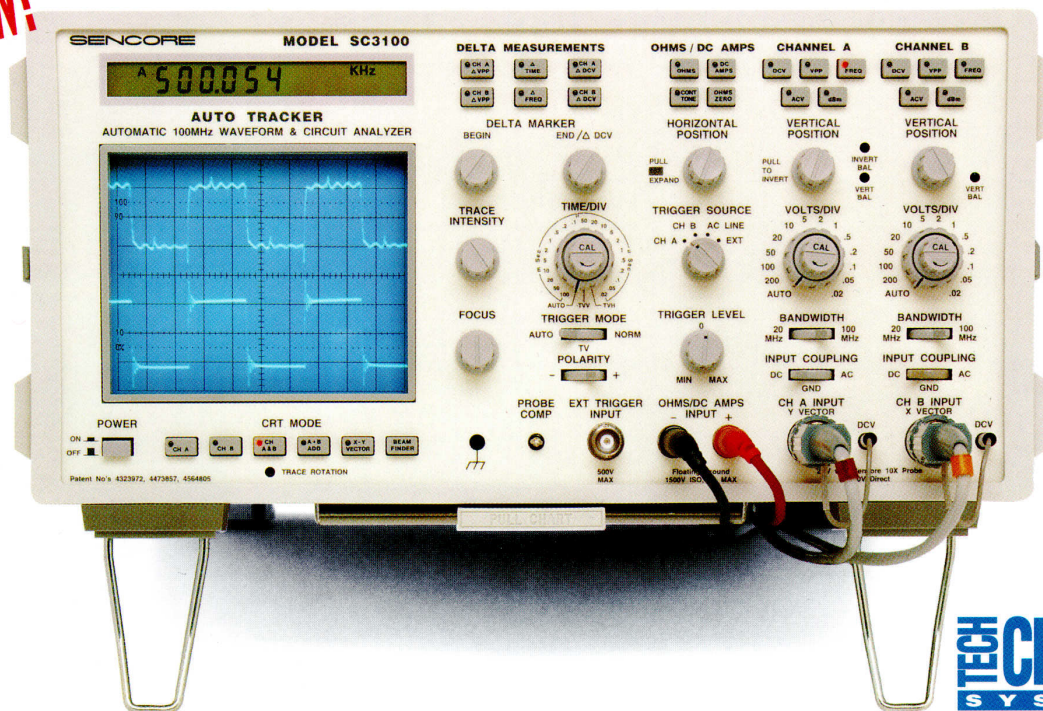


Automatic 100 MHz Waveform & Circuit Analyzer

New!



THE CHOICE
SYSTEM

**Now Touch And Test Any Circuit Test Point
And Make Autoranged Error Free Measurements
In A Fraction Of The Time!**

The SC3100 offers:

A Complete Waveform And Circuit Analyzing System

Measure circuit parameters and view all of the waveforms shown in any service literature with one complete unit. The SC3100 is guaranteed to increase your analyzing capabilities with the push of a button.

Auto-Tracking Digital Readout Of Waveform Voltage And Frequency

Measure the key parameters of any waveform with one probe connection, at the push of a button, for fast and accurate troubleshooting.

Integrated Measurements Of All Circuit Parameters

There's no need for a separate DVM to analyze the rest of the circuit parameters. Measure ohms and current with an integrated, complete circuit analyzer that provides you with troubleshooting answers.

Full Performance, 100 MHz, Dual Trace Oscilloscope

View any waveform quickly, easily, and more accurately. The "fiddle free" trigger controls provide rock solid viewing of any signal and include a special TV mode for complex video waveforms. No signal is too large or too small with our exclusive 2 mV to 2 kV input range.

Exclusive Autoranged Timebase And Vertical Attenuators

No more time wasted turning knobs. Simply set the timebase and channel attenuators to Auto and view the waveform without resetting the controls as you step through the circuit. This allows you to concentrate on the circuit - not the equipment.

Digital Delta Measurements To Analyze Every Portion Of Any Waveform

Highlight any part of a waveform with Sencore's exclusive Delta Bar and analyze the amplitude, absolute DC, time, or frequency. No more wasting time on graticule counting or setting cursors.

All Functions Microprocessor Integrated For Ease Of Use

The SC3100's analyzing speed will increase your servicing capability. All measurements are based on digital circuits, not the analog CRT, for fast, easy, and accurate readings. There are no hidden menus, no multiple function buttons, no complicated setups, and no confusing on-screen displays. Just push a button and read the results on the LCD display. The 'AUTO TRACKER'™ eliminates any chance of measurement errors.

SENCORE

Call 1-800-SENCORE (736-2673)

SC3100 SPECIFICATIONS:

Vertical Amplifiers:

DISPLAY MODES: Channel A, inverted channel A (-A), channel B, dual trace (A&B), algebraic sum (A+B) or difference (B-A), vector (X-Y).
 CALIBRATION ACCURACY: $\pm 3\%$ at 1 kHz.
 FREQUENCY RESPONSE (100 MHz): AC coupled: ± 0.5 dB of 1 kHz level from 10 Hz to 100 MHz, useable to 150 MHz.
 SENSITIVITY: 20 mV/div. to 200 V/div. with supplied 396292 10X probe; 2 mV/div. to 20 V/div. with (optional) DP270 Direct Probe.
 MAXIMUM INPUT PROTECTION: Supplied 396292 10X Probe: 2500 volts breakdown (DC + Peak AC).

Horizontal Sweep:

SWEEP RATES: 100 milliseconds/division to 20 nanosecond/division. Autorange automatically selects sweep rate to show approximately 2-5 cycles of waveform.
 ACCURACY: $\pm 3\%$.

Trigger Circuits:

TRIGGER SOURCE: CH A, CH B, AC power line, or external.
 TRIGGER MODES: NORM. AUTO, TV

AUTO-TRACKING™ Digital Tests

DC Volts:

DCV FUNCTION: Provides direct reading of DC voltage on selected channel.
 ACCURACY: $\pm 0.5\%$ ± 2 digits

Peak-to-Peak Volts:

VPP FUNCTION: Provides direct reading of peak-to-peak voltage on selected channel with either X10 or direct probes.
 ACCURACY: $\pm 2\%$ ± 4 counts.
 FREQUENCY RESPONSE: ± 0.5 dB from 20 Hz to 30 MHz. ≤ -3 dB at 100 MHz.

AC Volts:

ACV FUNCTION: Calculates RMS sinewave value from PPV measurement.

dBm:

dBm FUNCTION: Calculates dBm measurement from PPV sinewave measurement, referencing 1 mW across 600W (0 dBm +77.46 volts RMS).

Frequency:

FUNCTION: Automatically displays the frequency of the signal on selected channel.
 RANGES: 10.00 Hz to 150 MHz.
 ACCURACY: $.001\%$ ± 1 digit.

Delta Peak-to-Peak:

FUNCTION: Measures amplitude of intensified area on selected channel.

Delta Time:

FUNCTION: Measures time of intensified waveform portion.

1/Delta Time:

FUNCTION: Converts Delta time reading to equivalent frequency.

Delta DC Volts

FUNCTION: Measures DC voltage level of marked waveform point in respect to ground using the PPV and DCV functions.
 MARKER: Fully adjustable over entire range of waveform.

Digital Meter Tests:

Ohms

FUNCTION: Provides in- or out-of-circuit ohms.
 RANGES: 0.00 to 100 M
 ACCURACY: 0.2% ± 2 digits.

Continuity Test

FUNCTION: Provides audible tone of continuity
 RANGE: 0 to 199 Audible tone turns on if resistance is < 10 and turns off if resistance is > 15 ± 2

DC Current

FUNCTION: Provides measurement of DC current
 RANGES: .001 to 1 amp
 ACCURACY: 0.3% \pm digits

General:

SIZE: 7.25" x 13.75" x 15" HWD (18.4 x 34.9 x 38.1cm)
 WEIGHT: 25 lbs (9.33 kg.)

Accessories:

Supplied:

2 ea: 396292 10X Low Capacity probe with 3" ground, 12" ground and ground insulator ring, color ID bands and retractable tip.
 1 ea: 396295 DC voltage probe.

Optional:

HP200: 50 KV High Voltage Probe
 PL207: RF Pickup Loop
 TP212: 10 KV Transient Protector Probe
 PC259: Protective Cover
 DP270: 1:1 Direct Probe
 396293: 250 MHz Demodulator Probe
 396303: Probe Accessory Kit

Covered by Patents #4,473,857, #4,564,805 and 4,323,972
 Specifications subject to change without notice.

Sencore's Exclusive After-The-Sale Support

All Sencore Instruments Are Backed By Our Exclusive 30 Day Money Back Guarantee

"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."

Toll Free Access To The Entire Factory

Sencore does not stop providing assistance after you purchase one of our instruments. We provide free technical assistance on any instrument use questions, future purchase assistance, industry trend information, instrument service, or any question you may have on test instruments. Just call Sencore at our toll free 1-800-SENCORE number. Your Area Sales Engineer, an Application Engineer, or a Service Technician will be happy to assist you.

Made Right Guarantee

In addition to the 1 year warranty on parts and labor (less than 2% are returned for warranty service), Sencore offers you a 100% Lifetime Made Right Guarantee. We guarantee your instrument was engineered right the first time. If there's a problem, we'll make it right, for the lifetime of the instrument.

New!

Extended Service Agreement Programs (ESA)

Sencore announces our new Extended Service Agreement Programs for your SC3100. These programs can be an extension of your warranty coverage or simply a method for you to have annual calibrations at a reduced rate. For further information regarding these programs, please contact your Area Sales Engineer or the Service Department.

Here's How To Order Your SC3100 "AUTO TRACKER"™ 100 MHz Waveform & Circuit Analyzer

Ordering the SC3100 "AUTO TRACKER" 100 MHz Waveform & Circuit Analyzer is as simple as picking up your phone. Call 1-800-SENCORE and talk directly with your Area Sales Engineer about the many programs available to help with your instrument investment.

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Form #5129