

Sencore Industrial Component Testing System



Dynamically and Accurately Test Capacitors, Inductors, and Power Semiconductors Including IGBTs and SCRs.

Features

- Pinpoints bad capacitors and inductors in-circuit
- The only tester on the market that dynamically analyzes capacitors out of circuit for all four failures:
 1. Value from 1pF to 20F
 2. Equivalent series resistance (ESR)
 3. Leakage up to 1000V
 4. Dielectric absorption (DA)
- Test IGBTs, Triacs, SCRs, Diodes, FETs, and Bipolar transistors at full voltage
- Automatically applies the proper gate/base signal to turn-on three leaded power components
- Leakage test up to 1000V to locate high voltage shorts missed by other testers
- Tests surface mount components in-circuit with the AP291 adjustable test probe
- Dynamically analyze inductors with exclusive patented tests for:
 1. Value to 0.1uH to H
 2. Opens and shorts
 3. Shorted turns with the patented ringer test



Call 1-800- SENCORE
(736-2673)

LC103 & STA260 Key Specification

In-Circuit Tests

Dynamic in-circuit tests to determine whether the component is good or bad.

INDUCTOR RANGE: 3.18uH to 3.18H

CAPACITOR RANGE: 0.002uF to 20,000uF

Capacitor Value

RANGE: 1pF to 20F

ACCURACY: $\pm 1\%$; $\pm 1\text{Pf}$; ± 1 digit for values to 1990uF;

$\pm 5\%$, $\pm 0.1\%$ of range scale for values from 2000uF to 20F

Equivalent Series

ACCURACY: $\pm 5\%$, ± 1 digit

Resistance (ESR)

CAPACITOR RANGE: 0.01uF to 20F

Dielectric

ACCURACY: $\pm 5\%$, ± 1 count

Absorption

CAPACITANCE RANGE: 0.01uF to 20F

Leakage Voltage

ACCURACY: $\pm 5\%$, ± 1 digit

APPLIED VOLTAGE: 1.0 to 1000 volts

Inductor Value

RANGE: 0.1uH to 20H

ACCURACY: $\pm 2\%$, ± 1 digit, $\pm 0.1\text{uH}$

Inductor Ringing

ACCURACY: ± 1 count on readings from 8 to 13 rings

INDUCTOR RANGE: 10uH or larger, non-iron core

General

AC POWER: 105 to 130 VAC, 60Hz

SIZE (HWD): 6" x 9" x 11.5"

WEIGHT: 7.6 lbs with battery

LC103 & STA260 Power Component Analyzer



Supplied Accessories

39G219	Out-of-Circuit Test Leads
64G37	Test Lead Mounting Clip
AP291	Adjustable In-Circuit Probe
PA251	110 VAC Power Adapter
STA260	Power Semiconductor Test Acces.

Optional Accessories

39G144	Test Lead Adapter
BY289	Rechargeable 12V Battery
CC254	Carrying Case
PA252	220 VAC Power Adapter
CH255	Component Holder
CH256	Chip Component Holder

Sencore's After the Sale Support

30 Day Money Back Guarantee
Toll Free Support 1-800-736-2673
Made Right Guarantee
Flexible Investment Options

Use The LC103/STA260 to Test These Industrial Components & Many More . . .



Call 1-800- SENCORE

(Outside the US) 605-339-0100

Visit our website at www.sencore.com
e-mail: sencore@sencore.com

Form #7196