THANK YOU FOR YOUR INTEREST......

......and request for information on Seco Electronic Instruments.

The enclosed literature illustrates the many types of instruments manufactured by Seco and which have been enthusiastically accepted throughout the country by servicemen, industrial firms, military installations, railroads, electronic maintenance shops, and hobbyists.

Through its research and marketing facilities Seco has become a leader in the radio and TV Tester field for manufacturing high quality, time-saving instruments, and is continually developing new service aids.

Seco products are available through your nearest electronic parts supplier, or if you prefer, you may order directly from the factory using the enclosed order form.

We would appreciate the opportunity to serve you.

Yours very truly,

Wm. M. McRostie,
Vice President and
General Manager

WMM/rsb
Enclosure
SEE YOUR NEAREST ELECTRONIC DISTRIBUTOR OR IF HE CANNOT SUPPLY YOU, FILL OUT THE CONVENIENT FORM BELOW AND MAIL TO:

SECO ELECTRONICS, INC.
CUSTOMER SERVICE DEPARTMENT
1201 SOUTH CLOVER DRIVE
MINNEAPOLIS 20, MINNESOTA

ALL UNITS GUARANTEED OR MONEY BACK IN 10 DAYS.

<table>
<thead>
<tr>
<th>Quantities</th>
<th>Model Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
</table>

Send to __________________________ (Please Print Clearly)

Address ____________________________________________________________

_________________________ Zone ______ State __________________

Name of Distributor ________________________________________________

Check or Money Order Enclosed [ ] Send C.O.D. [ ]

(Includes Postage)

Please note: We do not prepay overseas orders or ship overseas on a C.O.D. basis. Please forward remittance including shipping charges with your order.

SAVE! No need to guess about postage. Pay by check. Make your check payable to SECO ELECTRONICS, INC. We will ship all merchandise prepaid within continental limits of U.S.A. except Hawaii and Alaska when orders are paid in advance.
The Model 600 Seco silicon controlled rectifier Analyzer provides a comprehensive and rapid SCR analysis for incoming stock inspection, engineering and lab work, trouble shooting, preventive maintenance, comparison of SCR's of different types and manufacture.

This new Seco Instrument tests SCR performances and characteristics without a scope and accommodates SCR's from 1/2 to 225 amps and 25 to 600 volts.

Simple to operate, the Model 600 requires no complex charts for set-up data. Meter reads anode current and phase angle, and holding current can be read directly. Versatile — the conduction angle can be varied from 0 degrees to 160 degrees. Gate pulse amplitude is sufficient to drive all SCR's and yet not damage those requiring small gate current. Cathode current at varying rates of gate pulse are shown.

Protective circuitry prevents damage in the Model 600 from shorted SCR's as well as prevents SCR damage should an overload of gate current occur. Tip jacks are provided so the Model 600 can also be used with a scope to see the gate pulse and phase angle across a load.

SECO ELECTRONICS INC.
Division of Di-Acro Corporation
1201 South Clover Drive Minneapolis 20, Minn

FEATURES
- Gate Pulse Sufficient to Fire Most SCR's
- Phase Angle Continuously Variable from 0 to 160 Degrees
- Load Current to 400 ma
- Maximum PIV 17 Volts
- Scope Output for Viewing Load Wave Form and Gate Pulse
- Shorted SCR Reads Zero on Meter
- Open SCR Reads Zero on Meter
- Easy Turn Phase Angle Control
- Unique Firing Circuit Gives Maximum Phase Angle Control
- Meter Accuracy 2 Per Cent Full Scale
- Rugged Molded Plastic Case
The Seco Model 210T is the most complete Zener and Diode Analyzer on the market. It provides comprehensive tests including temperature on almost every type of diode known - range extends from micro miniature diodes to 30 amp. power types. Designed to serve as a practical test set for laboratories, engineers and basic incoming diode stock inspection, the Model 210T provides the following tests:

- Diode Tests from 20 MA to 30 amps, 0 to 1500 V
- 0 - 30 amp. forward voltage drop test
- 0 - 1500 V reverse current leakage test
- 0 - 300 V Zener saturation knee test

Zener diode test range is to 300 volts and up to 100 MA

Selenium Rectifier Range is to 300 volts forward drop

Instant temperature tests per the Electronic Thermometer specifications shown to the right

THE SECO PLUS

In addition, the Model 210T has been designed to analyze the parameters of silicon controlled rectifiers. Ranges of 1 MA to 100 microamperes at 150 V and 1500 V are available for testing SCR's for forward and reverse leakage. The 210T can also be used to evaluate dynamic characteristics of SCR gate current voltage and forward drop when used with the Seco Model 600 SCR Analyzer.

Seven sources of power are incorporated in the Model 210T circuit. All are controlled by a variable voltage control on the transformer primary.

Three basic scales are provided - Zener Diode scale, Forward Characteristics scale, Reverse scale. Scales are not limited to checking these items only. For example: a high voltage rectifier stack with many cells in series can be checked on one of the Zener scales since this may supply the appropriate voltage. In addition, two temperature scales check heat range in solids, gas and liquids from - 20 deg. to 55 deg. C.
you'd expect to pay much more

for a semi-conductor test set that:

- Requires no setup data
- Includes a "Speed Test Socket"
- Reads BOTH collector-to-base (Icbo) and collector-to-emitter (Iceo) leakage currents
- Cancels Iceo leakage to give a TRUE gain reading
- Tests tunnel diodes
- Also tests zener diodes
- Includes a very complete circuit analyzer
- Includes a special meter protecting diode to safeguard against meter movement damage

**TRANSISTOR and TUNNEL DIODE ANALYZER**

**MODEL 250A-AC POWER SUPPLY**

**$98.50 NET**

**MODEL 250B BATTERY POWER SUPPLY**

**$86.50 NET**

**Seco plus**

**TESTING RANGES**

<table>
<thead>
<tr>
<th>Dynamic Gain</th>
<th>Relative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leakage</td>
<td>0-200 Icbo</td>
</tr>
<tr>
<td></td>
<td>0-1 ma Iceo</td>
</tr>
<tr>
<td></td>
<td>0-100 ma Icbo</td>
</tr>
<tr>
<td>True DC Beta Gain</td>
<td>0-200</td>
</tr>
<tr>
<td>Reverse conductance of signal and power diodes</td>
<td>0-200 microamps</td>
</tr>
<tr>
<td>Forward conductance of signal and power diodes</td>
<td>0-20 ma</td>
</tr>
<tr>
<td>Milliamperes</td>
<td>0-2, 0-10 and 0-100</td>
</tr>
<tr>
<td>Volts</td>
<td>0-1, 0-10 and 0-100</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>5,000 ohms/volt</td>
</tr>
<tr>
<td>Ohms, center scale reading</td>
<td>150</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±2%, full scale</td>
</tr>
</tbody>
</table>

**TESTS CONDUCTED**

- Dynamic G.O.-N.O.-G.O check in or out of circuit
- Identifies NPN and PNP transistors
- Tests both Signal and Power transistors
- Icbo and Iceo leakage test
- True DC Beta gain test
- Tests Tunnel Diode "peak" and "valley" currents
- Tests Zener Diode "cut-in" point

**CONTROLS AND JACKS**

- Leakage-cancelling control knob and push button
- True DC Beta Gain "cut-in" button
- Transistor test function selector
- "Feedback" control knob
- Transistor type selector
- Ohms "zero index" knob
- Diode input and ohms jacks

**POWER SUPPLY**

- Model 250A | 105-125 V AC
- Model 250B | 3 standard "C" cells

**CASE, SIZE AND WEIGHT**

- Injection molded bakelite bottom | 8½ x 7¼ x 3½ in.
- Pressed 14 ga. anodized aluminum cover
- Total dimensions, cover closed | 9½ x 7½ x 4¼ in.
- Net weight | 3 lbs., 12 oz.
- Shipping weight | 4 lbs., 6 oz.
- Also available in standard wood carrying case | 8½ x 7½ x 3¾ in.
- Net weight | 3 lbs., 6 oz.
- Shipping weight | 4 lbs.
Selector Guide
Seco POWER SUPPLIES

FULLY TRANSISTORIZED

LOW VOLTAGE
LOW CURRENT

TIGHT REGULATION

RPS-5
RPS-4
RPS-2
PS-2

SECO ELECTRONICS, INC.
Division of Di-Acro Corporation
1201 South Clover Drive • Minneapolis, Minnesota
Here's the first transistorized continuously variable and voltage regulated Power Supply in the low current range. Just set the dial for the voltage you need — result, a clean filtered DC output. The Seco RPS-4 provides a metered DC supply for transistorized equipment, tunnel diode circuits, experiments, relays and similar electrical equipment. It can also be used for charging nickel cadmium and other rechargeable batteries and for biasing tube equipment. The RPS-4 is designed for use as a substitute for the multitude of battery applications within its specifications.
MODEL RPS-2
CONSTANT VOLTAGE POWER SUPPLY

- Transistorized Circuit Maintains Constant Voltage over a Wide Load - Variation Within 3% similar to RPS-4 MA Jack.
- Special Bias Tap for Simultaneous 0-7.5V and 0-15V output — MAX VOLTAGE at Tap is 12.5 V.
- Maximum Ripple .001% at Full Load.

The Seco Model RPS-2 is a constant voltage variable Power Supply similar in operation to the Model RPS-4. Basic difference between the two models is that the RPS-2 does not have a meter. To operate just set dial for the voltage you need — result, a clean filtered DC output. Dial, accurately calibrated 0-25V, will supply up to 100MA average with no hum or motor boating. It provides a DC supply for transistorized equipment, experiments, relays, etc. and can also be used for charging nickel cadmium and other rechargeable batteries and for biasing tube equipment. Jacks are provided should operator want to read circuit current. As metering is done ahead of transistor output no resistance is added in the output circuit when meter is used. Case, 4¾"x5½"x7¾". 1½ lbs.

$26.95
See page 2 for Regulation Characteristics
Completely Wired and Tested
105 - 130 Volt AC, 60 Cycle
Includes 24" Set Test Leads

MODEL PS-2
BATTERY ELIMINATOR
FOR TRANSISTOR EQUIPMENT

- Quickly Pays for Itself
- Cannot Be Damaged by Short Circuit
- Essential for Servicing Transistor Equipment

This Battery Eliminator takes the place of an entire battery. It supplies good clean DC and can be used in place of the battery that normally operates transistorized equipment. Unit cannot be damaged by short circuit. The 1000 MFD filter provides good DC in many low current applications where current demand is reasonably instant.

Voltage may be varied from 0 to 15 Volts which permits the checking of sensitivity and operation under a wide range of conditions. The PS-2 makes transistorized equipment servicing easy and fast — quickly pays for itself. It is a low cost FIRST instrument for service shops — ideal for hobbyists.

SPECIFICATIONS

- For transistors, radios, amplifiers and other equipment
- Uses line bypass to eliminate hum modulation
- Internal imp. less than 2 ohms
- No motor boating
- Voltage scale calib. at 15MA
- Maximum output 100MA
- Plug in jacks for external volt meter
- Output is isolated from power line by transformer
- Dimensions 4½"x5½"x1½"
- Weight 1½ lbs.

$13.95
Completely Wired and Tested
105 - 130 Volt AC, 60 Cycle
Includes 40" Set Test Leads and Insulated Clips