
**Seco Model 210T**

**ELECTRONIC THERMOMETER**

**ZENER AND DIODE ANALYZER**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1-1.5</td>
<td>0-1 V</td>
</tr>
<tr>
<td>0.75-1.5</td>
<td>0-1.5 V</td>
</tr>
<tr>
<td>1.5-3.0</td>
<td>0-3 V</td>
</tr>
<tr>
<td>3-6</td>
<td>0-6 V</td>
</tr>
<tr>
<td>6-12</td>
<td>0-12 A</td>
</tr>
<tr>
<td>12-15</td>
<td>0-15 A</td>
</tr>
<tr>
<td>15-30</td>
<td>0-30 A</td>
</tr>
<tr>
<td>30-60</td>
<td></td>
</tr>
</tbody>
</table>

- **105-130V 50/60 cycle operation**
- **Meter accuracy 2% at full scale**
- **1% precision resistors used**
- **Special forward drop scale reads effective DC voltage drop**
- **On-Off switch has overload circuit breaker**
- **Human factor engineered requires positive action to supply and hold power**
- **Fully isolated from power line**
- **30 amp. binding posts provided**
- **Thermometer provides instant temperature check**
- **Three main power supplies provide seven metered V ranges**
- **Seven current ranges allow grouped functions and ranges**
- **Size: 10" x 5" x 9"**
- **Weight: 11 lbs. Shipping Wt. 14 lbs.**

**Seco Model 212**

**ELECTRONIC THERMOMETER**

**$79.50 NET complete with probe**

Checks Temperature of Diodes, Coils, Transformers, Transistors, Wire, Liquids, etc. without Heat Sink Loss

- **Two Convenient Scales:**
  - Minus 20°C to 65°C
  - 40°F to 160°F
- **Calibration accuracy plus or minus 2 Per Cent over entire range**

Here's a versatile, accurate electronically controlled thermometer that can be used for countless temperature checking applications. Whether it is used with liquid, gas or solids the Model 212 will give you an instant temperature check. Circuitry and front panel knob includes a calibration adjustment to assure complete accuracy. The Instrument can be set for regular or continuous reading. Meter has 3 1/2" mirrored scale, 200 UA movement. Power supply is two 1.5 volt C cells. Weight 3 lbs.

Standard equipment includes thermistor probe designed for surface measurement. Probe, with 3-foot cord, is insulated to prevent heat transfer and can be fastened to component under test or held.

**TEST PROBES** are available for a wide variety of applications including liquids, gas and solids. Write for a quotation.
POWER SUPPLIES
LAB INDUSTRIAL AND GENERAL SERVICE UNITS OFFER

4 voltage ranges instead of one or two
5 meter ranges instead of two or three
tight voltage regulation, low output impedance

AND

THE SECO PLUS — 0-7.5V variable bias is obtained simultaneously with the 0-15V and 0-15V.

POWER SUPPLY COMPARISON CHART

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Model</th>
<th>Range</th>
<th>Series</th>
<th>Mode</th>
<th>Switching</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>RPS-4</td>
<td>0-15V</td>
<td>0-30V</td>
<td>0-30MA</td>
<td>0-30V</td>
<td>D.C.</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>RPS-5</td>
<td>0-28V</td>
<td>0-30V</td>
<td>0-30MA</td>
<td>0-30V</td>
<td>D.C.</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>RPS-4</td>
<td>0.8 ohm</td>
<td>0.3 ohm</td>
<td>0.3 ohm</td>
<td>0.3 ohm</td>
<td>D.C.</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>RPS-5</td>
<td>1 ohm</td>
<td>1 ohm</td>
<td>1 ohm</td>
<td>1 ohm</td>
<td>D.C.</td>
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<tr>
<td>Maximum Ripple</td>
<td>RPS-4</td>
<td>10MV RMS</td>
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<td>D.C.</td>
</tr>
<tr>
<td>Regulation Load</td>
<td>RPS-5</td>
<td>+ .5%</td>
<td>+ .5%</td>
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<td>+ .5%</td>
<td>D.C.</td>
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<td>Output Impedance</td>
<td>RPS-4</td>
<td>1.8 ohms</td>
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<td>0.01% at full load</td>
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MODEL RPS-4
Transistorized Constant Voltage Power Supply
Completely Wired and Tested
Includes 24" Set Test Leads

MODEL RPS-5
Zener and Transistorized Voltage Regulated DC Power Supply
Completely Wired and Tested
Includes 24" Set Test Leads

SPECIFICATIONS

- Transistorized circuit maintains constant voltage over a wide load variation within 3%. Up to 15 Volts and 150 MA and up to 25 Volts and 50 MA (See Chart)
- Five output and meter ranges: top meter scale, 0-1.5V, 0-15V and 0-150MA; bottom meter scale, 0-30V and 0-30MA
- Special bias tap for simultaneous 0-7.5V and 0-15V output
- Maximum ripple .001% at full load
- Output impedance - 1.8 ohms resistive. No motor boating
- Overload protection permits feeding into short circuit without damage
- Bakelite case - 4½"x5½"x7½"
- Weight - 2 lbs.

SPECIFICATIONS

- Maximum ripple 10MV RMS
- Regulation Load + - .5%, Line 5%
- Output impedance 1 ohm
- Continuously variable output control 0-28V
- Short circuit protection
- Overload indicator
- No overshoot
- Response time 2 Micro seconds
- Meter accuracy 2% full scale
- Two variable bias voltages available at separate jacks
- Bakelite case - 3½"x5½"x7½"
- Weight - 3 lbs.

Designed to industrial standards, the Seco Model RPS-5 is a continuously variable Power Supply that can be set to dial any voltage up to 28 volts DC. Versatile, accurate — zener regulated transistorized circuit maintains CONSTANT VOLTAGE with no overshoot over a wide load variation — better than 1% regulation at full rated output of 150MA.

An exclusive feature of the Model RPS-5 is its current metering circuit. This circuit keeps the meter out of the output circuit where any small added resistance or impedance is highly undesirable. All current metering is done ahead of the transistor. The transistor Icbo requirements are extremely rigid and only high quality power transistors can be used in this Unit.

In addition, the RPS-5 is designed to feed into a short circuit for short periods without damage. Both meter shunts and meter are protected by a diode clamp circuit. Unit is also equipped with an overload indicator light which glows dim under normal load and shines bright in case of a short. Indicator light also serves as a fuse in case of a component failure inside the Unit itself.