Split-core current transformers provide linear output voltage that is directly proportional to the input current. These transformers are safely and easily installed over existing electrical power lines without disconnecting the lines or interrupting service.

DENT’s energy monitoring components are used for a variety of applications including building automation, tenant submetering, performance verification, energy management, and new technology assessment.

### KEY SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Window Size</td>
<td>2.0” (5.1 cm)</td>
</tr>
<tr>
<td>Current Range</td>
<td>20 - 1300A AC</td>
</tr>
<tr>
<td>Output</td>
<td>333 mV at rated current</td>
</tr>
<tr>
<td>Ratio Error</td>
<td>&lt;1% at rated current (typical)</td>
</tr>
<tr>
<td>Phase Error</td>
<td>&lt;2° at rated current (typical)</td>
</tr>
</tbody>
</table>

### ELECTRICAL

- **Output**: 333 mV at rated current
- **Wire Polarity**: White = Hi, positive (+); Black = Low, negative (-)
- **Frequency Range**: 50 to 400 Hz

### MECHANICAL

- **Case Material**: Epoxy encapsulated housing
- **Leads**: 2.7 M (8’), twisted pair, 20 AWG
- **Operating Temperature**: –20° to 55°C (-4° to 131°F)

### SAFETY

- **Working Voltage**: 600 VAC, Category III
- **Dielectric Strength**: 5000 VAC around case
- **Certification**: Conforms to: UL STD 61010-1, EN 60044-1
  Certified to: CAN/CSA STD C22.2 No. 61010-1

### PART NUMBERS

- **CT-SCL-1000-U/B**: 1000A Large Split Core

### CONTACT US

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All specifications contained in this document are subject to change without notice.