Testing Applications

Insulation Testing
- Cables
- Transformers
- Insulators
- Bushings
- Valves (IEC 62501 and IEC 60700)

Utility HV Power Supply
- R & D tests
- Miscellaneous evaluations
- Educational demonstrations

Suitable for performing HVDC withstand tests and partial discharge measurements on all HVDC transmission equipment

Phenix Technologies delivers proven reliability, innovative solutions, and years of experience for today’s DC testing requirements!

User Interface

Specifications are subject to change without notice.
Phenix Advantages

- Stackable multiple modules in 334 kV or 500 kV increments for higher voltage
- Low PD specification
- High charge current ratings and low ripple voltage output provided by the cascaded full wave voltage doubler design
- Fast motorized polarity reversal
- Internal voltage divider provided for direct voltage measurement in accordance with IEEE Standard 4 and IEC 60060-2
- Combination divider, discharge, grounding device
  - Discharge device (optional)
  - Grounding switch (optional)
  - PD measurement capacitors (optional)
- Output series resistor included
- Castors or air pallet for mobility (optional)
- Available with smooth surface FRP insulator housing for laboratory use, or ribbed composite insulator housing for extended operation in an industrial environment
- PC software package for data acquisition and report generation

<table>
<thead>
<tr>
<th>MODELS</th>
<th>MODULES</th>
<th>VOLTAGE</th>
<th>CURRENT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Height</td>
</tr>
<tr>
<td>4CC334R-20</td>
<td>334 x 1</td>
<td>300 kV</td>
<td>up to 20 mA</td>
<td>12' (3.6 m)</td>
</tr>
<tr>
<td>4CC500R-20</td>
<td>500 x 1</td>
<td>500 kV</td>
<td>10 mA continuous</td>
<td>15' (4.6 m)</td>
</tr>
<tr>
<td>4CC668R-20</td>
<td>334 x 2</td>
<td>660 kV</td>
<td></td>
<td>25' (7.5 m)</td>
</tr>
<tr>
<td>4CC1000R-20</td>
<td>334 x 3</td>
<td>1000 kV</td>
<td></td>
<td>32' (9.75 m)</td>
</tr>
<tr>
<td>*4CC1000R-20</td>
<td>500 x 2</td>
<td>1000 kV</td>
<td></td>
<td>27’ (8.2 m)</td>
</tr>
<tr>
<td>4CC1500R-20</td>
<td>500 x 3</td>
<td>1500 kV</td>
<td></td>
<td>41’ (12.5 m)</td>
</tr>
<tr>
<td>4CC500R-50</td>
<td>500 x 1</td>
<td>500 kV</td>
<td>up to 50 mA</td>
<td>15’ (4.6 m)</td>
</tr>
<tr>
<td>4CC1000R-50</td>
<td>500 x 2</td>
<td>1000 kV</td>
<td>20 mA continuous</td>
<td>27’ (8.2 m)</td>
</tr>
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<td>500 x 3</td>
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<td></td>
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</tbody>
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