CZ9-30R is a high performance high voltage power supply specifically designed for capillary electrophoresis (CE). ±30kV high voltage output, reversible polarity, and output voltage/current regulation that are necessary functions for capillary electrophoresis are equipped in compact size and contributes to downsizing and high functionality of your units.

**SUMMARY**

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Power</th>
<th>Input Voltage</th>
<th>Input Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZ9-30R</td>
<td>±30kVdc</td>
<td>300µA</td>
<td>9W</td>
<td>+24Vdc</td>
<td>1.25Amax</td>
</tr>
</tbody>
</table>

**FEATURES**

- Integrated-type high voltage power supply specially designed for capillary electrophoresis.
- Output polarity can be changed by external signal.
- Constant Voltage (CV) / Constant Current (CC)
- Equipped with output monitor and status output
- High reliability design and superior protection circuit

**LINEUP**

- **Output control**: External control voltage 0 to 10V
- **Reverse polarity control**: TTL (Positive : more than 3.4V, Negative : less than 1V) or external point of contact (Positive : open, Negative : short)
- **Polarity reverse time**: 0.1s (without load, -27kV to +27kV)
- **Output ON/OFF**: ON : more than 3.4V OFF : less than 1V or open
- **Ripple**: 0.1%p-p
- **Line regulation**: ±0.01% for ±10% input change
- **Load regulation**: ±0.01% for 0 to 100% load change
- **Temperature coefficient**: 100ppm/ºC
- **Output monitor**: Voltage : 0 to 10V (Accuracy : ±1% of F.S.)
  Current : 0 to 10V (Accuracy : ±1% of F.S.)
  Return current : 0 to 10V (Accuracy : ±1% of F.S.)
- **Protections**: Overvoltage and short circuit protection
- **Operating temperature**: 0 to +40ºC
- **Storage temperature**: -20ºC to +60ºC
- **Accessories**: HV output cable 1.5m length with HV plug ...1
  D-sub connector (25-pin, female) ...1

* These specifications are at the maximum rated output after a warm-up period unless otherwise specified.
Warranty

We warrant that products contained in this catalog (hereinafter, the “Products”) are free from defects in material and workmanship under normal use for a period of one (1) year from the date of shipment thereof. However, the warranty period for X-ray detectors and X-ray source shall be either one (1) year from the date of shipment or 1,000 hours, whichever shorter. The above warranty shall not apply to any Product which, at our sole judgment, has been:

i) Repaired or altered by persons unauthorized by us;

ii) Connected, installed, adjusted or used otherwise than in accordance with the instructions furnished by us (including being used in an inappropriate installation environment, such as in corrosive gas, high temperature and humidity). We are not liable for any loss, damage or failure of the Products after the shipment thereof caused by external factors such as disasters.

If any Product is shown to be defective as satisfactory to us, we, at our sole discretion, repair or replace such defective Products at no cost to the purchaser. We assume no liability to the purchaser or any third party for special, incidental, consequential, or other damages resulting from a breach of the foregoing warranty. This warranty excludes any and all other warranties not set forth herein, express or implied, including without limitation the implied warranties of merchantability or fitness for a particular purpose. The Products are not designed and produced for such applications as requiring extremely high reliability and safety, or involving human lives (such as nuclear power, aerospace, social infrastructure facility, medical equipment, etc.). The use under such environment is not covered by this warranty and may require additional design and manufacturing processes.

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