

Reversible polarity / Compact CZE Series

High voltage power supply for Capillary zone electrophoresis

Output volt. : 0 to 30 kVDC Output cur. : 0 to 250 µA CZE series



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CZE series

High voltage power supply for Capillary zone electrophoresis



FEATURES

- Output polarity reversible
- Equipped with Constant voltage(CV) / Constant current(CC) functions as a standard
- High stability

SUMMARY

CZE series is the best high voltage power supply for Capillary Electrophoresis. (CE) It is equipped standardly with constant voltage (CV) / constant current (CC) function and output polarity reversing function which are required for CE, so high quality CE is achieved smoothly.

LINEUP

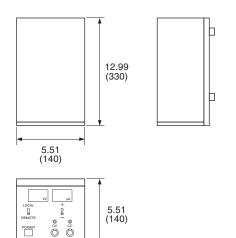
Model	Rated Output Voltage	Rated Output Current	Rated Output Power
CZE-30PN0.25	0 to ±30 kVDC	0 to 250 µA	7.5 W

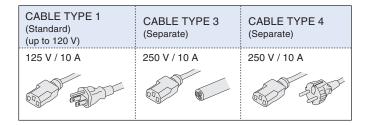
SPECIFICATIONS

Input voltage	100 V to 240 VAC 50 / 60 Hz single phase
Output control	Local : Constant voltage mode, by 10-turn potentiometer Constant current mode, by 10-turn potentiometer Remote : Constant voltage mode, by external voltage of 0 to 10 Vdc* Constant current mode, by external voltage of 0 to 10 Vdc* (*Input impedance of 10 kΩ)
Voltage regulation	Line : ± 0.05 % (for ± 10 % of input change) Load : 0.05 % (for 10 to 100 % of load change)
Current regulation	Line : ±0.05 % (For ±10 % of input change) Load : 0.05 % (for 10 to 100 % of load change)
Ripple	0.1 %p-p
Stability	0.01 %/10 min, 0.03 %/hr
Control of polarity reversal	By the changing switch on the front panel and changing the connector on the rear panel.
Protections	Over voltage protection Protection against output short circuit and arc discharge
Output display	Output voltage : 3-digit digital meter Output current : 3-digit digital meter
Monitor output	Output voltage monitor : 0 to ±10Vdc/0 to ±30 kV Output current monitor : 0 to +10Vdc/0 to 250 μA (For both, output impedance is 1 kΩ, accuracy is ±1 % of Full scale)
Remote control connector	Amphenol 36-pin connector on the rear panel
Operation temp.	0 to 45 °C
Storage temp.	-20 °C to +75 °C
Storage humidity	20 % to 80 %RH (no condensation)
Accessories	2.5-meter output high-voltage shielded cable (flying lead) (1) AC input cable (1) Instruction manual (1)

DIMENSIONS inch(mm)

AC INPUT CABLE





OPTIONS

- -LDS Door switch, Remote switch ON/OFF
- -LW Slow start

Output voltage rises to the preset value about 10 seconds later after POWER switch is ON. This function is available only when CZE is controlled with local mode.

FAX USA/Canada : +1-888-652-8651 other countries : +81-6-6150-5089

Customer Inquiry Sheet (CZE Series)

Please copy this page and above fax number after filling out form below.

I would like

A quotation	An explanation of product	A demonstration	To purchase
Other ()	
.			

Give us your requirement / comment

Please fill in below.

Address:	
Company:	
Dept.:	Title:
Name:	
Tel:	Fax:
E-mail:	

Manufacturer warranty

We warrant the specification, unless otherwise specified, at max. rated output after warm up, and scope of application is between 10% and 100% of max. rated output. 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 to 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; or 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 site. If you suspect that there has been a power supply failure in the field, please inspect your whole unit by yourself in an effort to determine that the problem is, in fact, arising out of our power supply products. If it is found that the problem is arising out of such power supply product after inspection, please contact your local sales office for additional troubleshooting. A "Return Merchan-dise Authorization" is required in case the power supply protects 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 for this warranty shall

submitted to users. Test result or test data for the products shall be available upon request with charge. Make sure you read the specification in the latest catalog before you order. Contact nearby sales office for the latest catalog. PLEASE SEE THE LINK BELOW FOR THE COMPLETE WARRANTY TERMS

http://www.matsusada.com/site/warranty.html

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