

High voltage power supply for Capillary zone electrophoresis

Output volt. : 0 to 30 kVDC
Output cur. : 0 to 250 μ A

CZE series



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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.

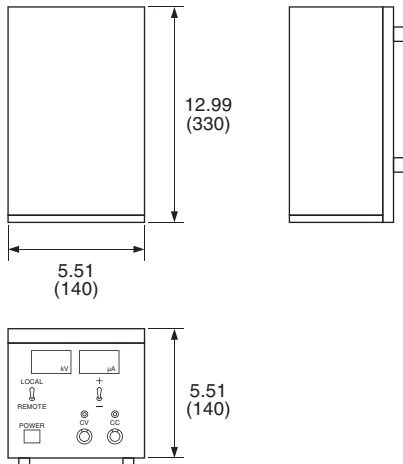
LINEUP

Model	Rated Output Voltage	Rated Output Current	Rated Output Power
CZE-30PN0.25	0 to ± 30 kVDC	0 to 250 μ A	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

CABLE TYPE 1 (Standard) (up to 120 V)	CABLE TYPE 3 (Separate)	CABLE TYPE 4 (Separate)
125 V / 10 A	250 V / 10 A	250 V / 10 A

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.

Add -L mark to the model number when ordering.
{e.g} CZE-30PN0.25-LDSW (alphabetical order)

