

## Specifications EPOS CV



### Device data

EPOS CV is a combined AC/DC voltage source for supplying spring-tensioning motors, specially designed for high power. The output voltage is infinitely variable and is kept constant with a max. deviation of  $\pm 1\%$  both for deviations in the power input voltage and for load variations at the output. The output voltage is set by means of a variable voltage transformer controlled by a servomotor.

<b>Operation</b>	Control panel with 4 function keys and a jog dial or control via ACTAS operating software. Current and voltage are displayed on a four-line LCD screen (4 x 20 characters, 8 mm digit height).	
<b>Power supply</b>	Rated voltage 230 VAC $\pm 10\%$ , 50 Hz/60 Hz. Discrete connections for supplying the control electronics and the power module separately.	
<b>Protection</b>	Input and output fuses. Limitation of switch-on current to avoid high starting currents.	
<b>Control</b>	External regulation via analog input 0...10 VDC. Internal and external release function. Internal and external regulation of the output voltage. AC/DC switching via the control panel or external.	
<b>Connections</b>	Industrial plug connectors for the power module. SUB-D plug connectors on the back panel for control.	
<b>Interfaces</b>	RS232 (back panel), USB (front panel).	
<b>Dimensions</b>	19" housing, 4 U, rack mounting. Mounting depth 510 mm plus approximately 100 mm for connection plugs.	
<b>Environment</b>	Operating temperature	0...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...90 %, non-condensing
	Protection	IP20
	Safety standard	EN 61010-1 300 V~CAT II
	EMC emissions	EN 50081-2 industrial
	Susceptibility	EN 50082-2 industrial

### Product specifications

	<b>EPOS CV 541</b>	<b>EPOS CV 811</b>
Output voltage	0...270 VAC 0...300 VDC	0...270 VAC 0...300 VDC
Power	5400 VA	8100 VA
Max. continuous current	20 A AC/DC	30 A AC/DC
Weight	28 kg	36 kg

### Accessories

#### Isolating transformer

Isolating transformer in compact design for generating a potential-free control voltage with a transformation ratio of 1:1.

Type	<b>CIT 631</b>	<b>CIT 801</b>	<b>CIT 1001</b>
Power	6300 VA	8000 VA	10000 VA
Weight	50 kg	58 kg	75 kg