



EPOS CV 201



EPOS CV 201 – The new generation of electronic voltage sources

EPOS CV 201 is an electronically controlled AC/DC voltage source. It uses state-of-the-art electronics. As a result, the voltage source has a compact design with a small installation depth, yet still delivers high power.

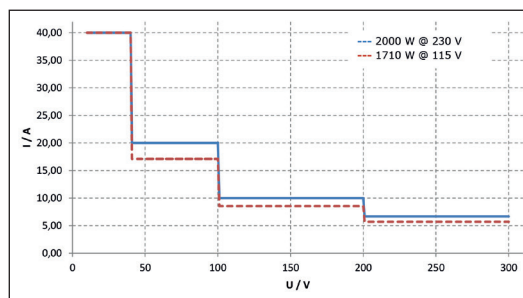
Automatically controlled voltage sources are used in many test environments to supply components, motors, and devices with voltage and current. These sources can be used to simulate system conditions so that components can be tested under realistic conditions at their limits. The EPOS CV 201 voltage source was specially developed for high power output of single-phase AC/DC voltages.

High currents at any voltage

The EPOS CV 201 voltage source provides both a high output voltage and a high output current. When operating motors in particular, applying the full rated voltage generates high starting currents that can be many times higher than the rated currents.

Its ability to reliably provide high starting currents and deliver above-average continuous currents even in the lower voltage range makes it ideal for supplying demanding consumers. Thanks to its electronic control, it responds quickly and precisely to load changes and offers maximum stability in every test situation.

The power curve of the EPOS CV 201 illustrates how the output power behaves depending on the set voltage. Since the full power of up to 2000 VA is available across the entire voltage range, a high output current is also guaranteed at medium and low voltages. The EPOS CV 201 thus offers optimal operating conditions across the whole working range.



Integrated operating unit for stand-alone operation

An operating unit with a 3.5" display, jog wheel, function keys, and status indicators is integrated for operating and controlling the EPOS CV 201. The display provides a clear overview of the settings, and parameters can be changed directly. The output values are shown on the display, and the operating states are indicated by status LEDs and a light ring on the jog wheel. The output parameters include, for example, the specification of a limit value and the setting of step sizes.

Interface for external control

An Ethernet interface is available for operating the sources in test stands and for connecting to ACTAS C switchgear testing systems.

The voltage source can be seamlessly integrated in combination with ACTAS switchgear testing systems. This allows automated test sequences to be implemented and test results to be recorded and evaluated immediately. A perfect synergy for efficient and reliable switchgear testing.

Technical data

Source	
Voltage	5 up to 270 VAC / 300 VDC
Nennstrom	max. 40 A
Starting current (short-term)	up to 100 A
Frequency	DC, 50 Hz, 60 Hz
Power	2000 VA @ 230 V, 1700 VA @ 110V
Measurement	
Voltage	0 up to 300 VAC/DC
Current	0 up to 100 AAC/DC
Complete system	
Power supply	Rated voltage: 100...240 VAC, 47...63 Hz Current: max. 20 A
Connections	Industrial plug connectors
Housing	19", 4 U
Dimensions (W x H x D) mm	450 x 177 x 460
Screen	High-resolution, resistive 3.5" touchscreen
Weight	19,7 kg
Operation	Jog wheel and 6 function keys
Display elements	6 status LEDs, status signals screen, illuminated ring on the jog wheel
Interfaces	RJ 45 (Ethernet), USB-B