

Manufactured by:



PPS 3.3 C

Three-phase Portable Power Source for voltage up to 480 V and current up to 120 A



The PPS 3.3 C is a powerful and portable three-phase current and voltage source. All test values are generated absolutely synthetically with a high degree of accuracy and stability.

Advantages of the PPS 3.3 C

- Three-phase portable precision type source with single-phase mains supply
- Current and voltage source facilities can be selected independently
- Color display with graphical interface
- Indication of load values, vector diagram and wave form
- Current, voltage and phase shift are adjustable to high accuracy individual per phase
- The values are shown on a display and can be read out via the RS 232 C interface
- The values set are stabilized by digital and analogue control
- Integrated RS 232 C interface for external program control via PC. It is possible to read out the current and voltage values
- Generation of harmonics (up to 31st)
- Generation of ripple control signals

Options

- Software CAMCAL for Windows or CALSOFT

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Technical Data PPS 3.3C

GENERAL	DESCRIPTION	
Supply voltage		88VAC _{min} ... 264VAC _{max} , 47 ... 63Hz
Power consumption		400VA _{max}
Housing		Hard plastic
Dimensions	Width x Height x Depth	465 x 210 x 375 mm
Weight		approx. 21.5kg
Ambient temperature	Operating range	-10°C ... +50°C
Storage temperature		-20°C ... +60°C
Relative humidity		≤ 85% at Ta ≤ 21°C
Relative humidity at 30 days/year		≤ 95% at Ta ≤ 21°C
Safety Requirements		
CE-certified		
Isolation protection		IEC 61010-1:2001
Measurement category		IP-40
Degree of protection		300VC AT III, 600VC AT II
Voltage Source		
Voltage range	Phase - Neutral / Phase - Phase	3x0.1/0.17V...480/831V
Output power	Per Phase	30VA
Internal ranges / Peak values	300V... 480 (600)V	30VA / 0.05A
	150V... 300V	30VA / 0.10A
	75V... 150V	30VA / 0.20A
	30V... 75V	30VA / 0.40A
Resolution		0.1V
Accuracy		0.3% (45Hz...100Hz)
Distortion factor		≤ 0.8%
Stability		0.03% (30min) / 0.1% (1h)
Bandwidth		30... 2,000Hz (3 dB)
Current Source		
Current Range		3x1mA...3x120A
Output Power	Per phase	60VA
Internal ranges / Peak values	10A...120A	60VA/0.5V
	1A...10A	25VA/2.5V
	1mA... 1A	10VA/10V
Resolution		min. 1mA
Accuracy		0.5% (45Hz...100Hz)
Distortion factor		≤ 0.8%
Stability		0.03% (30min)/0.1% (1h)
Bandwidth		30...1,000Hz (3dB)
Phase angle		
Range		-180.0°... +180.0°
Resolution		0.1° (45...100Hz) / 1° (≥100Hz)
Frequency		
Range		45Hz...400Hz
Resolution		0.1Hz (45...100Hz) / 1Hz (≥100Hz)

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