

EPOS 300

Three-phase electronic power sources...



25 A and 120 A models

... for use in laboratories, manufacturing and service departments

EPOS 300 signal sources are ideal for all your test and measurement applications.

- Suitable for use as freely programmable three-phase function generators
- Intelligent amplifier technology and synthetic signal generation allow creation of any waveform
- Output of records (e.g. from a fault recorder system) as transient signals
- Designed for stand-alone use and for operation with a PC
- Programming interface for integration in customer-specific applications

Voltage outputs	3 x 0 to 300 VAC / 75 VA
Current outputs	
EPOS 300 (25 A)	3 x 0 to 25 AAC / 85 VA
EPOS 300 (120 A)	3 x 0 to 120 AAC / 80 VA
Frequency range	DC to 3 kHz
DC output	12 to 260 VDC / 50 W

METES C

Stationary meter test systems...



...for customisation to individual requirements

METES C meter test systems are fully automatic, multiple-meter test benches capable of testing and calibrating all types of electricity meters.

Thanks to their modular construction, METES C systems can be configured to provide the best possible solution in any situation.

The KoCoS Group

KoCoS Messtechnik AG
Measuring and test systems for the power engineering sector

KoCoS Optical Measurement GmbH
Optical metrology for manufacturing and quality assurance

KoCoS Engineering GmbH
Services for safe and reliable network operation

KoCoS Power Grid Services GmbH
Services for power quality optimisation

KoCoS Automation GmbH
Automation technology for the semi-conductor industry

KoCoS audentec GmbH
Test systems for the packaging industry

200909

Powerful Solutions For All Your Meter Testing Requirements



METES - Meter Test Systems

The latest generation of electricity meters offer great improvements in accuracy and functionality compared with their predecessors of just a few years ago.

The meter test systems of the METES range perform tests quickly, efficiently and extremely accurately, fulfilling tomorrow's test requirements today.

The advantages and the functionality of these innovative meter test systems from KoCoS speak for themselves. Turn the page for a closer look...



Quality



Precision



Versatility



METES 340 REF

Three-phase high-precision meter test systems...



0.02 % and 0.05 % accuracy

...for your most exacting requirements

METES 340 REF provides high accuracy and a wide measuring range for precise measurements in single and three-phase applications.

- Up to 6 meters can be tested simultaneously
- Fully automatic tests are possible when used with the EPOS 300 power source
- Accuracy, dial, no load and starting test functions
- Network analysis functions including harmonics and waveform display
- Programming interface for integration in customer-specific applications
- Certified by the PTB (German National Metrology Institute)

Accuracy classes	0.05 % and 0.02 %
Voltage inputs	3 x 480 VAC
Current inputs, direct	3 x 12 AAC and 120 AAC
Current clamps	3 x up to 1200 AAC
Impulse inputs	6

METES 12/32

Single and three-phase test systems...



Current clamps with SmartProbe technology

...for on-site tests

METES 12 and 32 are lightweight, compact reference meters which are extremely easy to use.

- For tests in two-wire, three-wire and four-wire systems
- Accuracy tests with the meter constant and impulse value
- Clear display of all major electrical quantities
- Electricity is supplied to the device via the measurement circuit; no additional auxiliary voltage is required
- Measurement data saved by the device can be transferred to a PC for presentation in a test report

Accuracy class	0.2 %
Voltage inputs	3 x 250 VAC
Current clamps	3 x 100 AAC
Impulse inputs	1

METES 320

Three-phase meter test system...



For electronic and Ferraris meters

...with power quality measurement

METES 320 features a range of different measuring modes for the comprehensive analysis of metering installations.

- Vector diagrams provide information on the magnitude of voltages, currents, phase angles and power values
- A waveform display provides information on the quality and the characteristics of voltages and currents
- Calculation of the working load of current and voltage transformers
- Voltage drop measurement in the secondary circuit and calculation of the resulting measuring error

Accuracy class	0.2 %
Voltage inputs	3 x 260 VAC
Current inputs, direct	3 x 5 AAC
Current clamps	3 x up to 3000 AAC
Impulse inputs	1