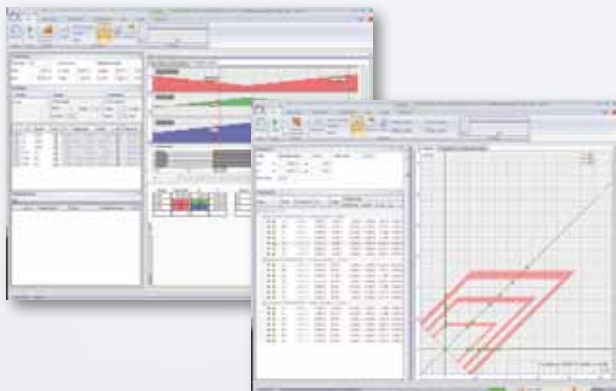


REALY TESTING SOLUTION

GENERAL INFORMATION

ARTES 460 is compact, robust, lightweight and quiet. LEDs on the front panel indicate the states and operating modes of the inputs and outputs.



OPERATION

The test set is operated and controlled with the ARTES V4 software. It can also be used as a stand-alone device, controlled with the function keys and jog dial located on the front panel. Faults can be defined using symmetrical components; display and parameterization are possible with primary or secondary values. Another interesting feature is the definition and evaluation of thermal characteristics. The new ARTES V4 software is compatible with Windows XP, Vista and Win 7.

AMPLIFIERS

All the amplifier outputs can be set separately and independently of one another as regards amplitude, phase and frequency and are equipped with overload and short-circuit protection. ARTES 460 features a new voltage amplifier. The range can be switched from 300 V to 150 V for low-voltage, high-power applications.

The current amplifiers deliver a maximum test current of 16 A per channel. If higher test currents are required, the amplifier outputs can be connected in parallel to provide output currents of up to 32 A.

SPECIFICATIONS

Sources	separately and independently configurable
Frequency range	DC to 3 kHz
Transient signals	DC to 4 kHz
Phase angle	0 to 360°
Voltage amplifiers	2 switchable output ranges
300 V output range	4-ph.: 4 x 0 to 300 V / 75 VA 1-ph.: 1 x 0...600 V / 150 VA
150 V output range	4-ph.: 4 x 0 to 150 V / 75 VA 1-ph.: 1 x 0...300 V / 150 VA
Current amplifiers	can be connected in parallel
Output range	6-ph.: 6 x 0 to 16 A / 40 VA 3-ph.: 3 x 0 to 32 A / 80 VA
Low-level signal outputs	separately and independently configurable
Output range	10 x 0 to 10 V _s
DC output	protected against overload and short-circuit
Output range	12 to 260 V
Output power	50 W (across the entire output range)
Analog inputs	2 switchable measuring ranges
Measuring ranges	4 x 0 to ±10 V / 600 V 4 x 0 to ±20 mA / 10 V
Binary inputs	configurable as potential-free and potential-carrying contacts
Quantity/Groups	8 / 2
Binary outputs	2 potential-free and galvanically isolated output relays
Switching capacity AC	0 to 250 V / 8 A
Switching capacity DC	0 to 300 V / 8 A
Power supply	
Rated voltage /	100 to 265 VAC, 47 to 63 Hz
Rated frequency	120 to 265 VDC
Interfaces	RS232, USB
Housing	
Dimensions (mm)	470 x 162 x 316 (W x H x D)
Weight	10 kg

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ARTES

460

ARTES 460

The Universal Relay Testing Solution

ARTES 460 sets new standards for compact devices in relay testing. Based on the innovative technology of the successful ARTES II product family, this new relay test set can handle just about any challenge you face in practice.

ARTES 460 makes light work of highly complex tests on static and digital protection relays. Thanks to its six current outputs, even three-phase tests on differential protection relays can be carried out without additional equipment.



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multi-functional

The multi-functional relay test system...



ARTES 460

APPLICATIONS

- Automatic tests for all types of protection relays
- Can be used as a freely configurable three-phase function generator
- Capable of testing IEC 61850-compliant protection equipment
- "Play back" function for fault records

SOURCES

- Four independent voltage channels up to 300 V
- Six independent current channels up to 16 A
- Wide frequency range
- Separate auxiliary power supply

FLEXIBLE POWERING

- Operation with AC or DC power supply
- Can be used in any country
- Immune to disturbances in the power supply

ERGONOMIC AND ROBUST DESIGN

- Sophisticated connection system
- All connections and controls are located on the front panel
- Various communication interfaces

EASY TO USE

- Stand-alone operation with function keys and a jog dial
- Ergonomic menu and intuitive operation
- Software for automatic tests and evaluation
- All states indicated by LEDs

... for commissioning, maintenance and service

universal ■ robust ■ compact ■ lightweight