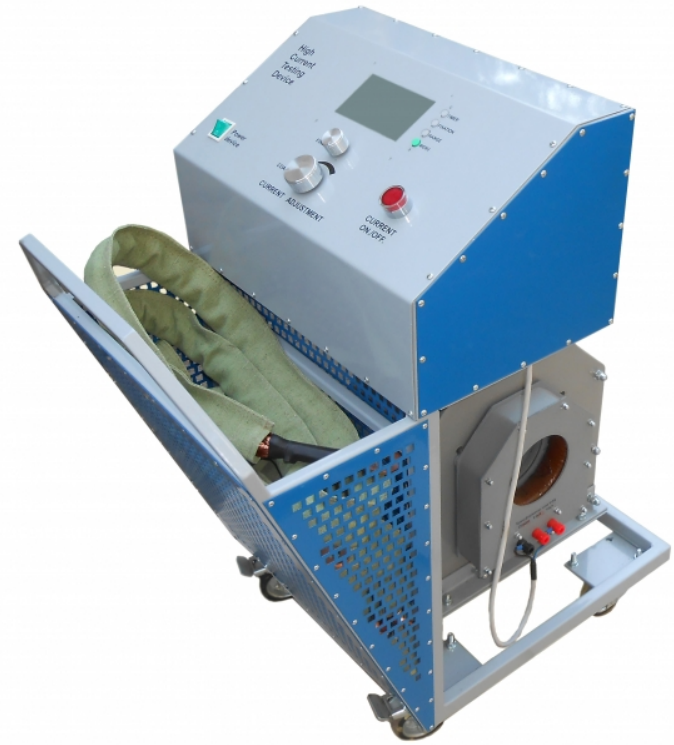
CBA-16 & CBA-20

Circuit breaker analyzers



ADVANTAGES

- Output current up to 16 and 20 kA.
- Time-current characteristics testing.
- High-efficiency current source.

DESCRIPTION

The CBA-16 and CBA-20 circuit breaker analyzers are designed for testing and control of ampere-second characteristics of circuit breakers by AC current of industrial frequency with current up to 16 kA (CBA-16) and 20 kA (CBA-20), with measurement and recording of current and time-current characteristics of circuit breakers.

In addition to the main function, these analyzers can be used to test current measuring and protection current transformers with primary current, thermal and current relays, fuses, and can also be used as a regulated AC source up to 16 and 20 kA in low impedance power circuits for laboratory work.

To ensure electrical safety of personnel, the output conductive circuits are galvanically isolated from the supply network. The voltage on the output busbars of the devices, when the thyristor key is fully open, does not exceed 7 V, which has a favorable effect on the contacts of circuit breakers at the moment of tripping - it significantly reduces their wear during repeated tests.

TECHNICAL SPECIFICATIONS

	CBA-16	CBA-20
Maximum current on output buses (rms)	16 kA	20 kA
Measuring and recording range of output current	20…16000 A	20…20000 A
Current measurement error	± 3 %	
Measuring and recording range of output current duration	0.01…99999 s	
Duration measurement error	± 1.5 %	
Maximum busbar voltage	7 V	
Transformer overheating protection threshold	96 °C ± 10 %	
General		
Power supply voltage	220/380 V ± 10 %	
Mains frequency	50 Hz ± 1 %	
Maximum power consumption	100 kVA	120 kVA
Dimensions	720×485×880 mm	
Weight	86 kg (without buses)	
Operating conditions		
Operating temperature	-5…+35 °C	
Relative humidity	not more than 80 % (at temperature 25 °C)	
Atmospheric pressure	630…800 mm Hg	

Technical specifications are the same as those given when the analyzer is used in conjunction with a single-phase voltage regulator.