

Description

Current injector for testing automatic circuit breakers (hereinafter referred to as "device") is intended:

- to test the functionality and control of ampere-second characteristics of AC circuit breakers in the range of up to 20kA, and measuring and storing of values of time and current flowing through the circuit breaker;
- for the verification and certification of the current, measurement and protection current transformers with primary current;
- for testing and calibration of current relays;
- for testing and calibration of thermal current relays;
- to check the fuses;
- can be used as a source of regulated AC current up to 20kA in a low-impedance power circuits for laboratory works.

**Technical parameters****UPA-10M tester**

Parameter	Value					
	UPA-1	UPA-3	UPA-6M	UPA-10M	UPA-14M	UPA-20M
Max. output current (220V supply voltage)	1 kA	3 kA	6 kA	6.4 kA	9.0 kA	13 kA
Max. output current (380V supply voltage)	–	–	–	9.99 kA	14 kA	20 kA
Output current measuring range ("A" mode)	10A – 100A	10A – 1000A	10A – 999A		10A – 1000A	
Output current measuring range ("kA" mode)	0.1kA – 1kA	1kA – 3kA	1kA – 6kA	1kA – 9.99kA	14A – 14kA	20A – 20kA
Test current duration measuring range	50 ms – 990 ms; 1 s – 7200 s					
Current measuring accuracy	1.5 % of range					
Duration measuring accuracy	3 % of reading					
Max. testing duration at max. output current	10 s		30 s		10 s	
Power consumption, max	5 kVA		33 kVA		55 kVA	
Supply voltage	220V ± 22V			220V ± 22V or 380V ± 38V		
Frequency	50 Hz ± 1 Hz					
Control unit net weight	3 kg		50 kg		27 kg	
Current source net weight	13 kg		–		27 kg	59 kg
Control unit dimensions	340x210x140 mm		535x358x200 mm		450x250x475 1097x650x870	
Current source dimensions	250x220x115		–	–		
Busbars S=10 mm ² , l= 2 m, in the package	4 pcs.	–	–	–	–	–
Busbars S=110 mm ² , l= 1 m, in the package	2 pcs.	4 pcs.	8 pcs.		8 pcs.	
Busbars S=110 mm ² , l= 2 m, in the package	–	–	–	–	6 pcs.	