

Description

AID-70/50 (D) testing device is designed for:

- Testing the insulation of power cables (6, 10, 15, 20, 35 kV) with DC voltage up to 70 kV. Testing of cable armour (shielding).
- Testing of solid dielectrics with AC sine-wave voltage up to 50 kV, for example high voltage elements of switchgears (bushing insulators of high voltage transformers, vacuum or air commutating elements, all elements of transformer substations which are commutating and distributes output voltage of high voltage transformer).
- Testing of vacuum chambers of high voltage switches.
- Laboratory and research works



AID-70/50



AID-70/50D

Technical specification

Parameter	AID-70/50D			AID-70/50		
	DC _{cont}	AC _{cont}	AC _{short}	DC _{cont}	AC _{cont}	AC _{short}
Output voltage type	DC _{cont}	AC _{cont}	AC _{short}	DC _{cont}	AC _{cont}	AC _{short}
Max output voltage, kV	70	50	50	70	50	50
Max output current, mA	14	30	45	14	30	45
Output voltage measuring range, kV	0.5-70	0.5-50		3-70	3-50	
Output current measuring range, mA	0-14	0-45		0-14	0-45	
Current that triggers overcurrent protection, mA, max	15	46		15	46	
High voltage unit overcurrent protection limit, A	10			10		
Digital indication	Yes			No		
Supply voltage	220 V +/- 22V, 50(60) Hz			220 V +/- 22V, 50(60) Hz		
Current and voltage measurement error, %	3 (of full reading)			3 (of full scale)		
Control unit weight, kg	11			11		
High voltage unit weight, kg	44			44		
Control unit dimensions, mm	315x220x365			315x220x365		
High voltage unit dimensions, mm	360x286x670			360x286x670		

AC_{short} - AC in intermittent duty mode with duty cycle 17% U and 5 minutes cycle time.