

Baker Instruments DS Series Digital Surge / DC Hipot Tester Specifications



The 15 kV and 24 kV versions are designed for testing large electrical machines and high voltage motors. The increased surge capacitance of 0.1 μ F makes tests possible through long feeder cables of the application for windings with very low impedances, like traction machines, power transformers, etc. The most flexible solution is the combination unit DS224PP, consisting of the compact base unit DS212 and a 24 kV power pack for high voltage applications.

TECHNICAL DATA:	DS206	DS212	DS215	DS224 DS224PP	DS230
Surge/Impulse Test					
Max. Surge Voltage [kV]	6	12	15	24	30
Max. Surge Energy [J]	0.72	2.88	11.25	28.8	45
Surge Capacitance/Channel [nF]	40	40	100	100	100
Repetition Rate [Hz]	5	5	5	5	5
Min. Test Piece Inductance [μH] (recommended)	50	50	10	10	5
DC High Potential Test					
Max. DC Voltage [kV]	6	12	15	24	30(37)
Max. Output Current (Itd.) [mA]	1	1	1	1	1
Max. Current Resolution [μA]	0.1	0.1	0.1	0.1	0.1
Overcurrent Trip (Automatic) [μA]	10/100/1000				
Max. Calculated Insulation Resistance	20 GΩ				
General:					
Line Voltage Input	220-240 V/50-60 Hz				
Power Cosumption [VA]	150	200	500	700	1000
Dimensions (W x H x D) [cm]	59x21x48	59x21x48	52x44x66	52x44x66	63x121x75
Weight [kg]	22.5	27.4	50	56	98
Max. Machine Size	1 Kv/0,4MW	3kV/1MW	6kV/3MW	10kV/5MW	15kV/10MW



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