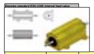
ESU Generator Test Load Reference

Last updated 09/04/2008 @ 9:00 AM PDT
Maintained by Mike Erwine

LEGEND:
A = Load required for simple output energy tests
B = Loads required for manufacturer specified final test procedure (including calibration)

Special Scenarios:
C = Covidien Valleylab ForceTriad customer field calibration procedure via Valleylab Exchange (using generator Debug mode) - this procedure released to ForceTriad generator customers only

Denotes standard ESU-2300 internal load value



Vishay Dale Load Resistor (NH-250 Series 250-watt 1% tolerance unless otherwise specified)	BC Part #	Cost (U.S. List)	Alcon Infinity Phacoemulsifier System A	Alcon Infinity Phacoemulsifier System B	Arthrocare System 2000 and other Coblation Generators A	Arthrocare System 2000 and other Coblation Generators B	B. Braun Medical Aesculap GN640 A	B. Braun Medical Aesculap GN640 B	Bident All Generators A	Bident All Generators B	Bovie IDS 200 A	Bovie IDS 200 B	Bovie IDS 300 A	Bovie IDS 300 B	Codman Bipolar Coagulator A	Codman Bipolar Coagulator B
1 Ω (50 watt)	BC20-00214	$25														
10 Ω (50 watt)	BC20-00220	$25														
5 Ω	BC20-00200	$75										x		x		
10 Ω	BC20-00201	$75										x		x		
20 Ω	BC20-00202	$75										x		x		
25 Ω	BC20-00227	$75														
30 Ω	BC20-00203	$75										x		x		
50 Ω	BC20-00204	$75							x			x		x	x	
75 Ω	BC20-00221	$75	x													
80 Ω	BC20-00228	$75														
100 Ω	BC20-00205	$75					x		x			x		x	x	
125 Ω	BC20-00215	$75														
150 Ω	BC20-00216	$75									x	x	x	x		
200 Ω	BC20-00206	$75										x		x		
250 Ω	BC20-00222	$75			x											
300 Ω	BC20-00207	$75			x						x	x	x	x		
350 Ω	BC20-00223	$75														
400 Ω	BC20-00217	$75							x			x		x	x	
500 Ω	BC20-00208	$75					x				x	x	x	x		
550 Ω	BC20-00224	$75														
600 Ω	BC20-00225	$75					x									
750 Ω	BC20-00226	$75														
800 Ω	BC20-00218	$75					x		x						x	
1000 Ω	BC20-00209	$80					x					x		x		
1500 Ω	BC20-00219	$80														
2000 Ω	BC20-00210	$80										x		x		
3000 Ω	BC20-00211	$80										x		x		
4000 Ω	BC20-00212	$80										x		x		
5000 Ω	BC20-00213	$80										x		x		
	COMBINED INDIVIDUAL RESISTOR COST:		$75	$0	$150	$0	$380	$0	$300	$0	$225	$1,225	$225	$1,225	$300	$0
	RESISTOR KIT COST:															
	RESISTOR KIT PART #:															

Resistor	Conmed Excalibur A	Conmed Excalibur B	Conmed System 2450 A	Conmed System 2450 B	Conmed System 5000 A	Conmed System 5000 B	Conmed System 7500 A	Conmed System 7500 B	Conmed Sabre 180 A	Conmed Sabre 180 B	Conmed Sabre 2400 A	Conmed Sabre 2400 B	Conmed Hyfrecator 2000 A	Conmed Hyfrecator 2000 B
1 Ω (50 watt)														
10 Ω (50 watt)														
5 Ω														
10 Ω														
20 Ω														
25 Ω														
30 Ω														
50 Ω	x	x	x	x	x	x		x	x	x	x	x		
75 Ω														
80 Ω														
100 Ω		x					x	x		x		x		
125 Ω								x						
150 Ω								x						
200 Ω		x		x		x		x		x		x	x	x
250 Ω														
300 Ω	x	x	x	x	x	x					x	x		
350 Ω														
400 Ω												x		
500 Ω	x		x	x	x	x	x	x	x	x	x	x	x	x
550 Ω														
600 Ω														
750 Ω														
800 Ω														
1000 Ω													x	x
1500 Ω								x						
2000 Ω														
3000 Ω														
4000 Ω														
5000 Ω														
COMBINED INDIVIDUAL RESISTOR COST:	$225	$300	$225	$300	$225	$300	$150	$530	$150	$300	$225	$450	$230	$230
RESISTOR KIT COST:														
RESISTOR KIT PART #:														

Resistor	Covidien / Valleylab ForceTriad A	ForceTriad B	ForceTriad C	Force FX A	Force FX B	LigaSure A	LigaSure B	Force 2 A	Force 2 B	Force 1C A	Force 1C B	Surgistat A	Surgistat B	Surgistat II A	Surgistat II B	Complete Load Resistor Set for Valleylab Generators
1 Ω (50 watt)									x							x
10 Ω (50 watt)		x														x
5 Ω		x					x									x
10 Ω		x			x	x	x									x
20 Ω		x	x		x											x
25 Ω																
30 Ω		x														x
50 Ω		x							x		x					x
75 Ω																
80 Ω																
100 Ω	x	x	x	x	x	x	x	x	x		x					x
125 Ω																
150 Ω																
200 Ω		x	x	x	x	x	x		x				x	x	x	x
250 Ω																
300 Ω	x	x	x	x	x			x	x		x					x
350 Ω																
400 Ω							x									x
500 Ω	x	x		x	x	x					x	x	x	x	x	x
550 Ω																
600 Ω																
750 Ω																
800 Ω														x	x	x
1000 Ω		x	x		x	x	x		x					x	x	x
1500 Ω																
2000 Ω		x			x											x
3000 Ω					x				x							x
4000 Ω									x							x
5000 Ω		x	x													x
COMBINED INDIVIDUAL RESISTOR COST:	$225	$940	$460	$300	$690	$380	$455	$150	$565	$0	$300	$75	$150	$305	$305	$1,275
RESISTOR KIT COST:	$210	$895	$435	$290	$655			$145	$535							$1,200
RESISTOR KIT PART #:	BC20-00255	BC20-00256	BC20-00257	BC20-00253	BC20-00254			BC20-00251	BC20-00252							BC20-00258

Resistor	Erbe USA VIO System 300D A	VIO System 300D B	ICC 80 A	ICC 80 B	ICC 200 / ICC 200 E / ICC 200 EA A	ICC 200 / ICC 200 E / ICC 200 EA B	ICC 300 / ICC 350 E A	ICC 300 / ICC 350 E B	Eschmann TD830 Generator A	TD830 Generator B	TD850 Generator A	TD850 Generator B	TD311, TD411RS, TDB60 Generators A	TD311, TD411RS, TDB60 Generators B	Ethicon Gynecare Versapoint System A	Ethicon Gynecare Versapoint System B	KLS Martin ME MB2 Generator A	KLS Martin ME MB2 Generator B
1 Ω (50 watt)																		
10 Ω (50 watt)																		
5 Ω																		
10 Ω																		
20 Ω																		
25 Ω	x																	
30 Ω																		
50 Ω									x					x				
75 Ω	x																	
80 Ω											x							
100 Ω									x					x			x	
125 Ω							x							x				
150 Ω									x					x	x			
200 Ω	x		x		x		x		x					x			x	
250 Ω																		
300 Ω											x						x	
350 Ω							x											
400 Ω											x							
500 Ω	x		x		x		x							x				
550 Ω											x							
600 Ω																		
750 Ω											x							
800 Ω																		
1000 Ω																		
1500 Ω																		
2000 Ω																		
3000 Ω																		
4000 Ω																		
5000 Ω																		
COMBINED INDIVIDUAL RESISTOR COST:	$300	$0	$150	$0	$150	$0	$300	$0	$300	$0				$450	$75	$0	$225	$0
RESISTOR KIT COST:																		
RESISTOR KIT PART #:																		

Resistor	Megadyne Cut Mode All Models A + B	Megadyne Coag Mode All Models A + B	Megadyne Bipolar Mode All Models A + B	Olympus America Medical UES-40 Monopolar Mode	UES-40 Bipolar Mode	UES-40 Saline	UES-30 Monopolar Mode	UES-30 Bipolar Mode	PSD-60 Monopolar Mode	PSD-60 Bipolar Mode	PSD-30 Monopolar Mode	Stryker Instruments All Generators A	Stryker Instruments All Generators B	Synergetics USA All Generators including Malis Bipolar A	Synergetics USA All Generators including Malis Bipolar B	Valley Forge All Generators A	Valley Forge All Generators B	Wolf Medical Instruments Bipolar Generator 2352 A	Wolf Medical Instruments Bipolar Generator 2352 B
1 Ω (50 watt)																			
10 Ω (50 watt)																			
5 Ω																			
10 Ω																			
20 Ω																			
25 Ω																			
30 Ω																			
50 Ω												x		x		x			
75 Ω																			
80 Ω																			
100 Ω			x		x	x		x	x	x	x	x		x		x			
125 Ω																			
150 Ω																			
200 Ω				x															
250 Ω										x									
300 Ω	x			x			x				x								
350 Ω																			
400 Ω												x		x		x			
500 Ω		x							x										
550 Ω																			
600 Ω																			
750 Ω																			
800 Ω												x		x		x			
1000 Ω																			
1500 Ω																			
2000 Ω																			
3000 Ω																			
4000 Ω																			
5000 Ω																			
COMBINED INDIVIDUAL RESISTOR COST:	$75	$75	$75	$150	$75	$75	$75	$75	$150	$150	$150	$300	$0	$300	$0	$300	$0	$0	$0
RESISTOR KIT COST:																			
RESISTOR KIT PART #:																			

TD311, TD411RS, TD830, TD850 &