



KilnSitter Kilns Element Resistance (TESTED THROUGH THE PLUG)

How to measure element resistance through the power cord on Kiln Sitter type kilns.

1. Unplug the kiln.
2. Turn all the switches to OFF.
3. Lift the falling weight and press the main plunger button ON. Gently lower the falling weight so it will not turn off the kiln or place a cone in the sitter to allow the claw to hold the weight in the upright position.
4. Turn the desired section switch to LOW, MED, then HIGH settings and measure the ohms of resistance across the 2 flat blades on the power cord for each setting. Compare your ohm meter readings to the ohm reading chart for kiln sitter type kilns.

NOTE: On three phase kilns you will have 3 flat blades on your power cord and you will have to try all three combinations of flat blades to determine which 2 blades are connected to the switch you are testing.

5. If your resistance readings are 1.5 ohms more than the listing in the chart then the section you are testing is considered to have worn out elements. Worn out elements will not allow the kiln to reach the rated temperature for the kiln.

MODEL		240 VOLTS			208 VOLTS		
		HIGH	MED.	LOW	HIGH	MED.	LOW
1227, 280	Bottom	13	23	55	11	19	48
	Center	16	33	65	14	28	57
	Top	13	33	55	11	28	48
1227 3ph, 280 3ph	Bottom	13	23	55	11	19	45
	Center	16	33	65	12	24	48
	Top	13	33	55	11	24	45
1027, 231, 235	Bottom	13	23	55	11	19	48
	Center	16	33	65	13	28	56
	Top	13	33	55	11	28	48
1027 3ph, 231 3ph, 235 3ph	Bottom	13	23	55	11	19	45
	Center	16	33	65	12	24	48
	Top	13	33	55	11	24	45
1018, 231-18	Bottom	12	19	48	9	16	40
	Top	12	29	48	9	24	40
818	Bottom	16			15		
	Top	16			15		

(continued)

KILNSITTER KILN ELEMENT RESISTANCE

MODEL		240 VOLTS			208 VOLTS		
		HIGH	MED.	LOW	HIGH	MED.	LOW
818 WR	Bottom	16			15		
	Center	16			15		
	Top	16			15		
818 P	Bottom	21			16		
	Top	21			16		
818 P WR	Bottom	21			16		
	Center	21			16		
	Top	21			16		
181, 180	Bottom	5.5	11	22			
	Top	5.5	11	22			
181-13	Bottom	23	23	23	19		
181-27	Bottom	19.8			17		
	Center	19.8			17		
	Top	19.8			17		
183	Bottom	22			17		
	Top	22			17		
183-27	Bottom	22			18		
	Center	22			18		
	Top	22			18		
185	Bottom	18			16		
	Top	18			16		
714, 145	Bottom	6	12	24			
	Top	11	11	0			
614	Bottom	8.5					
	Top	16					
129	Bottom	8.6	8.6	17			
	Top	8.6					
10F		8					
12F		8					
Pinto		7.5					
Octagon Fuser		15					