

Vox AC30 Operating Voltages

Location	Voltage		
GZ34 inputs	280 volts AC each input		
GZ34 heater	5 volts AC		
Main heaters	6.3 volts AC		
R10-R11 junction	320 volts		
C8	290 volts		
C11	10 volts quiescent. 12.5 volts at 30 watts output.		
V1 anode pin 1	170 volts		
V1 anode pin 6	170 volts		
V1 cathode pin 3	1.8 volts		
V1 cathode pin 8	1.8 volts		
V2 anode pin 1	230 volts		
V2 anode pin 6	230 volts		
V2 cathode pin 3	56.5 volts		
V2 cathode pin 8	56.5 volts		
V7 anode pin 1	140 volts		
V7 anode pin 6	200 volts		
V7 cathode pin 3	1.2 volts		
V7 cathode pin 8	18 volts		
V8 anode pin 1	75 volts		
V8 anode pin 6	75 volts		
V8 cathode pin 3	3 volts		
V8 cathode pin 8	3 volts		
		Top Boost Valve	
V9 anode pin 1	120 volts	Anode pin 1	180 volts
V9 anode pin 6	195 volts	Anode pin 6	290 volts
V9 cathode pin 3	1.7 volts	Cathode pin 3	1.65 volts
V9 cathode pin 8	25 volts	Cathode pin 8	180 volts

These operating voltages were recorded originally with an AVO multimeter which measures at 20k ohms per volt.

Modern multimeters typically measure at a higher ohms per volt ratio which loads the circuit less and thus indicates operating voltages higher than those originally recorded using the AVO multimeter.

(Approximately 5% higher).