

Table 13a. Simpson, Models 260-8 & 260-8P Specifications

Test instrument parameter	Performance specification
Dc voltage	Range: 0 to 1000 V Accuracy: $\pm 2\%$ of FS
Ac voltage	Range: 0 to 1000 V Accuracy: $\pm 3\%$ of FS
Resistance	Range: 0 to 20 M Ω Accuracy: $\pm 2.5^\circ$ of arc for RX1 range, $\pm 2^\circ$ of arc for all other ranges
Dc current	Range: 0 to 10 A Accuracy: $\pm 1.5\%$ of FS for 50 μ A range, $\pm 2\%$ of FS for all other ranges

Table 13b. Simpson, Models 260-8 & 260-8P Dc Voltage

Calibration Performance Limits and Adjustments				
Dc Voltage				
Test instrument ¹		Calibrator		Test instrument
Dc volts range	Indication (V)	Initial output (V)	err indication \pm (%)	Adjustments
1 ²	1	1	2	None
2.5	2.5	2.5	2	
10	10	10	2	
25	25	25	2	
50	50	50	2	
250	250	250	2	
250 ³	500	500	2	
250 ⁴	1000	1000	2	

¹TI must be calibrated in horizontal position.² Connect positive lead to TI **+1V DC** input. After 1V check is complete, move positive lead to TI + input.³ Move positive lead from TI + input to TI **500V DC** input.⁴ Move positive lead from TI **500 V DC** input to TI **1000V DC** input.

Table 13c. Simpson, Models 260-8 & 260-8P Ac Voltage

Calibration Performance Limits and Adjustments					
Ac Voltage					
Test instrument ¹		Calibrator			Test instrument
Ac volts range	Indication (V)	Initial output (V)	Frequency (Hz)	err indication \pm (%)	Adjustments (fig. 4) (R)
2.5	2.5	2.5	60	3	R25
10	10	10	60	3	----
25	25	25	60	3	----
50	50	50	60	3	----
250	250	250	60	3	R22
250 ²	500	500	60	3	----
250 ³	1000	1000	60	3	----

¹TI must be calibrated in horizontal position.² Move positive lead from TI + input to TI **500V DC/AC** input.³ Move positive lead from TI **500 V DC/AC** input to TI **1000V DC/AC** input.

Table 13d. Simpson, Models 260-8& 260-8P Resistance
Calibration Performance Limits and Adjustments

Test instrument ¹		Resistance standard indications (Ω)		Test instrument
Resistance range ²	Indications ohms scale (Ω)	Min	Max	Adjustments
RX1	12	10.7	13.5	None
RX100	12	1110	1300	
RX10,000	12	111,000	130,000	

¹ TI must be calibrated in horizontal position.

² Short leads and adjust **OHMS ADJ** for **0** indication on ohms scale. Repeat for each range.

Table 13e. Simpson, Models 260-8 & 260-8P Dc Current
Calibration Performance Limits and Adjustments

Test instrument ¹		Calibrator		Test instrument
Dc current range	Indication (A)	Initial output (A)	err indication ± (%)	Adjustments (fig. 4) (R)
50 μA ²	50 μA	50 μA	1.5	R1
1 mA	1 mA	1 mA	2	R2
10 mA	10 mA	10 mA	2	----
10 mA	6 mA	6 mA	3.3	----
10 mA	2 mA	2 mA	10	----
100 mA	100 mA	100 mA	2	----
500 mA	500 mA	500 mA	2	----
10 A ³	10 A	10 A	2	----

¹ TI must be calibrated in horizontal position.

² Move positive lead from TI + input to TI **+10A/50μA/250mV** input. After 50 μA check is complete, move positive lead back to TI + input.

³ Connect TI negative lead to **-10A** input and connect TI positive lead to **+10A/50μA/250mV** input.

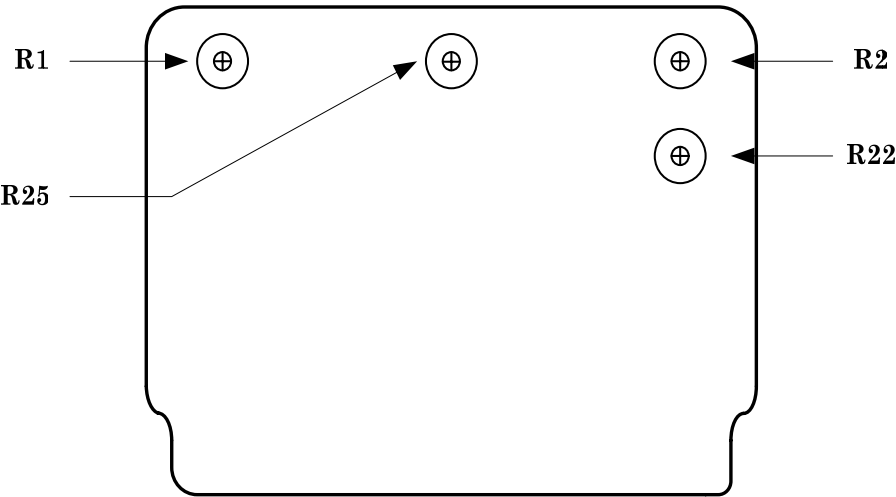


Figure 4. Simpson, models 260-8 & 260-8P.