

Comprehensive Input Ranges for SI132

This document only applies to versions 3 and 4 or the SI132. Both these versions use the C159 printed circuit board.

Voltage Inputs

Input Impedance: 560kΩ for voltages ≤ 2V
2.7MΩ for voltages > 2V

TABLE 1	SW1							
Input	1	2	3	4	5	6	7	8
0-200mV			X	X	X	X		
0-400mV			X	X	X			
0-500mV			X	X	X		X	
0-600mV			X	X		X		
0-750mV			X	X		X	X	
0-800mV			X	X				
0-900mV			X		X	X		
0-1V			X	X			X	
0-1.1V			X		X			
0-1.2V			X		X	X	X	
0-1.3V			X			X		
0-1.5V			X		X		X	
0-1.7V			X			X	X	
0-2V			X				X	
0-2.5V				X	X		X	
0-3V				X		X		
0-3.5V				X		X	X	
0-4V				X				
0-5V				X			X	
1-5V				X				X
0-5.5V					X			
0-6V					X	X	X	
0-6.5V						X		
0-7.5V					X		X	
0-8.5V						X	X	
0-10V							X	

Current Inputs

Input Impedance: 1kΩ for currents ≤ 4mA
51Ω for currents > 4mA

TABLE 1	SW1							
Input	1	2	3	4	5	6	7	8
0-200 μA	X		X	X	X	X		
0-400 μA	X		X	X	X			
0-500 μA	X		X	X	X		X	
0-600 μA	X		X	X		X		
0-750 μA	X		X	X		X	X	
0-800 μA	X		X	X				
0-900 μA	X		X		X	X		
0-1.0 mA	X		X	X			X	
0-1.1 mA	X		X		X			
0-1.2 mA	X		X		X	X	X	
0-1.3 mA	X		X			X		
0-1.5 mA	X		X		X		X	
0-1.7 mA	X		X			X	X	
0-2.0 mA	X		X				X	
0-2.5 mA	X			X	X		X	
0-3.0 mA	X			X		X		
0-3.5 mA	X			X		X	X	
0-4.0 mA	X			X				
0-8.0 mA		X	X	X	X			
0-10 mA		X	X	X	X		X	
0-12 mA		X	X	X		X		
0-15 mA		X	X	X		X	X	
0-16 mA		X	X	X				
0-18 mA		X	X		X	X		
0-20 mA		X	X	X			X	
4-20 mA		X	X	X				X
0-22 mA		X	X		X			
0-24 mA		X	X		X	X	X	
0-26 mA		X	X			X		
0-30 mA		X	X					
0-35 mA		X	X			X	X	
0-40 mA		X	X				X	
0-50 mA		X		X	X		X	
10-50mA		X	X				X	X