

# Comprehensive Input Ranges SI231

This document only applies to v2 and v3 SI231.

## Voltage Inputs

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

TABLE 1	SW1							
	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	
2-10V								X

## Current Inputs

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

TABLE 1	SW1							
	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

In the interest of development and improvement, APCS reserve the right to amend, without notice, details contained in this publication. APCS will accept no legal liability for any errors, omissions or amendments.