

## RT66A Interface Specs

<b>HARDWARE SPECIFICATIONS</b>	Voltage Test 20V	High Voltage Limit 4kV	External Sensor Channels 1	Independent Voltage Sources 1					
<b>MEASUREMENT SPECIFICATIONS</b>	DRIVE DAC 14 bits	Output Voltage Resolution 2.44mV	Min Pulse Width 500 $\mu$ s	Min Rise Time @ 5V 500 $\mu$ s	Maximum Fatigue Frequency 2KHz	External Fatigue Yes	Peak Output Current 50mA	Max Hysteresis Frequency 200Hz	Min Hysteresis Period 1.5s
<b>System Ranges:</b>									
<b>SYSTEM HARDWARE</b>	RETURN ADC 14 bits	Integrator Voltage Range 5V	Sense Capacitor 4.7nF	Maximum Amplification 50	Minimum Amplification 0.005				
<b>MINIMUM RESOLUTION</b>	Integrator Voltage Divisions 16384	Minimum Voltage Resolution 610 $\mu$ V	Minimum Sense Cap Charge 2.9pC	Correction for Amplification 58fC					
<b>MAXIMUM MEASURABLE CHARGE</b>	Maximum Voltage Resolution 5V	Maximum Sense Cap Charge 23.5nC	Correction for Amplification 4.7 $\mu$ C	Range with Precision RT66A HVI 470 $\mu$ C					