

Precision LC Specs

HARDWARE SPECIFICATIONS	Voltage Test 10V/100V	High Voltage Limit 10kV	External Sensor Channels 1	Independent Voltage Sources 1					
MEASUREMENT SPECIFICATIONS	DRIVE DAC 16 bits	Output Voltage Resolution 305 μ V	Min Pulse Width 50 μ s	Min Rise Time @ 5V 40 μ s	Maximum Internal Fatigue Frequency 5KHz	External Fatigue Yes	Peak Output Current 50mA	Max Hysteresis Frequency 2KHz	Min Hysteresis Period 10s
System Ranges:									
SYSTEM HARDWARE	RETURN ADC 16 bits	Integrator Voltage Range 10V	Sense Capacitors 100pF, 1.1nF, 5.8nF	Maximum Amplification 1	Minimum Amplification 0.001				
MINIMUM RESOLUTION	Integrator Voltage Divisions 65536	Minimum Voltage Resolution 305 μ V	Minimum Sense Cap Charge 30.5fC	Correction for Amplification 30.5fC					
MAXIMUM MEASURABLE CHARGE	Maximum Voltage Resolution 10V	Maximum Sense Cap Charge 58nC	Correction for Amplification 58 μ C	Range with Precision 10KV HVI 5.8mC					