

Precision Workstation Specs

HARDWARE SPECIFICATIONS

Voltage Test 100V	High Voltage Limit 10kV	External Sensor Channels 1	Independent Voltage Sources 1
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MEASUREMENT SPECIFICATIONS

DRIVE Output Bits 14	Output Voltage Resolution 1.22mV	Min Pulse Width 5 μ s	Min Rise Time @ 5V 1 μ s	Maximum Fatigue Frequency 1MHz	External Fatigue Yes	Peak Output Current 400mA	Max Hysteresis Frequency 5KHz	Min Hysteresis Period 30s
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System Ranges:

SYSTEM HARDWARE

RETURN ADC 14 bits	Integrator Voltage Range 10V	Sense Capacitors 1nF, 5.7nF	Maximum Amplification x100	Minimum Amplification x0.00001
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MINIMUM RESOLUTION

Integrator Voltage Divisions 16384	Minimum Voltage Resolution 1.22mV	Minimum Sense Cap Charge 1.22pC	Correction for Amplification 12.2fC
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MAXIMUM MEASURABLE CHARGE

Maximum Voltage Resolution 10V	Maximum Sense Cap Charge 57nC	Correction for Amplification 5.7mC	Range with Precision 10KV HVI 570mC
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