UHPC **10A Channel Module**

UHPC Channel Modules - The Best in Precision

NOVONIX's industry leading Ultra-High Precision Coulometry (UHPC) Channel Modules accurately measure and control current and voltage, with high precision and low noise, providing better quality data that allow for greater confidence.

Part Number:
CMA-HEX-99-56

Measurement

Current

Resolution: <20ppm
Accuracy: 0.005% FSR
Noise: 0.002% FSR
Temperature Coefficient: 0.002% FSR over 23 ±5°C

Voltage

Resolution: 1µV
Accuracy: 200µV
Noise: 100µV
Temperature Coefficient: 0.002% FSR over 23 ±5°C

Source

Current

Range: 100µA, 1mA, 10mA, 100mA, 1A, 10A
Resolution: <20ppm FSR
Accuracy: 0.01% FSR
Noise: 0.002% FSR
Temperature Coefficient: 0.002% FSR over 23 ±5°C

Voltage

Range: 250mV, 5V
Resolution: <100µV
Accuracy: 200µV
Noise: 100µV
Temperature Coefficient: 0.002% FSR over 23 ±5°C

Timing

Resolution: 10ms
Measurement Frequency: 6Hz
Accuracy: 2ppm

Integrated RTD Temperature Sensing

Resolution: ±0.01°C
Accuracy: ±0.5°C
Noise: ±0.05°C

Technical Considerations*

Dimensions WxHxD (In): 19" x 7" x 27"
Rack Space (U): 4U
Weight (lbs): 47
Number of Test Channels: 8
Bench and Rack Mountable?: Yes

Power Draw (VA): 1500VA
Voltage: Voltages Supplied by Power Module
Minimum Discharge Voltage: 0.005V
Required Lab Temperature Range: 18°C - 28°C
Required Lab Temperature Stability: ±1°C

For best performance, we recommend pairing Channel Modules with NOVONIX Thermal Chambers, which are specifically designed to provide the temperature stability required for UHPC experiments

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Contact us to learn how UHPC technologies can improve your battery development, manufacturing, selection and more: bts-sales@novonixgroup.com