UHPC **2A 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-HDX-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: <50nV on 0V-0.25V, 1µV on 0.25V-5V
Accuracy: 100µV (<250mV), 200µV (>250mV)
Noise: 100µV
Temperature Coefficient: 0.002% FSR over 23 ±5°C

Source

Current

Range: 200µA, 2mA, 20mA, 200mA, 2A
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: 1µV
Accuracy: 100µV (<250mV), 200µV (>250mV)
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 5" x 24"
Rack Space (U): 3U
Weight (lbs): 28
Number of Test Channels: 8
Bench and Rack Mountable?: Yes

Power Draw (VA): 320VA
Voltage: 120VAC-230VAC 50Hz or 60Hz
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

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