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Data Sheet

August 15, 2026

CIRCUIT SPECIALISTS

Circuit Specialists CSI1802X Benchtop DC Power Supply

Circuit Specialists CSI1802X Benchtop DC Power Supply The Circuit Specialists CSI1802X is a benchtop linear DC power supply in the CSI18xx family. OEM CSI1802X listings rate an 18 V 2 A class adjustable output for laboratory and education DC bias. Benchtop DC bias, education labs, and low power analog circuit development. Instrument Type: benchtop DC power supply The Circuit Specialists CSI1802X is a benchtop linear DC power supply in the CSI18xx family. OEM CSI1802X listings rate an 18 V 2 A class adjustable output for laboratory and education DC bias. Benchtop DC bias, education labs, and low power analog circuit development. Instrument Type: benchtop DC power supply Use Case: education and analog development



MODEL

**Circuit Specialists
CSI1802X**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CSI1802X

LISTING

<https://aumictechlabs.com/products/csi1802x-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Circuit Specialists CSI1802X is a single-output, linear DC bench power supply designed for applications requiring stable and controlled power. It has adjustable voltage output from 0 to 18V and adjustable current output from 0 to 2A. The unit features clear LED displays for real-time monitoring of both voltage and current. Its construction includes a reinforced metal chassis and SMT (Surface Mount Technology) PCBs for durability. This power supply is suitable for electronics

experimentation, educational purposes, and laboratory use. Technical Specifications * Model: Circuit Specialists CSI1802X Type: Linear Bench Power Supply, Single Output Input Voltage: 110-127 VAC $\pm 10\%$, 50/60 Hz $\pm 2\%$ Output Voltage: 0-18 VDC (Variable) Output Current: 0-2.0 A (Variable) Regulation: * Load Regulation (CV): $\leq 0.01\% + 3\text{mV}$ (for $I \leq 3\text{A}$) * Load Regulation (CC): $\leq 0.2\% + 1\text{mA}$ (for $I \leq 3\text{A}$) * Load Regulation (CV): $\leq 0.01\% + 5\text{mV}$ (for $I > 3\text{A}$) * Load Regulation (CC): $\leq 0.2\% + 5\text{mA}$ (for $I > 3\text{A}$) * Line Regulation (CV): $\leq 0.01\% + 1\text{mV}$ * Line Regulation (CC): $\leq 0.2\% + 1\text{mA}$ Ripple and Noise: * CV: $\leq 0.5\text{mVrms}$ (for $I \leq 3\text{A}$) * CC: $\leq 3\text{mArms}$ (for $I < 3\text{A}$) * CV: $\leq 1.0\text{mVrms}$ (for $I > 3\text{A}$) * CC: $\leq 6\text{mArms}$ (for $I > 3\text{A}$) * Ripple Voltage (P-P): $< 1\text{mV P-P}$ Display: * LED displays for Voltage and Current readings Protection: Overload protection circuit, Fuse protected Construction: * SMD adhesive sheet element technology for internal PCB construction * Rugged reinforced metal chassis construction * Output devices mounted on a large, rear-mounted heat sink for thermal stability Interfaces: * Front-mounted output terminals accepting banana plugs Dimensions: 9.5" x 3.75" x 6.0" Weight: 3.6 kg (8 lbs) Power Cord: 5' power cord Why Choose Aumictech for Circuit Specialists CSI1802X? At Aumictech, we specialize in supplying high-end electronic test and measurement equipment. Whether you need precise voltage and current control for R&D, reliable power sources for laboratory setups, or consistent performance for educational institutions, our team ensures the Circuit Specialists CSI1802X delivers maximum performance and dependability for your specific application. We understand the critical nature of stable power in technical environments and are dedicated to providing solid solutions.

CSI1802X Characteristics / Specifications

PARAMETER	VALUE
Model	CSI1802X
Instrument Type	benchtop DC power supply
Family	Circuit Specialists CSI18xx
Output Voltage Class	0 to 18 V
Output Current Class	0 to 2 A
Output Power Class	36 W
Manufacturer	Circuit Specialists
Form Factor	benchtop
Application Class	laboratory DC bias
System Role	adjustable linear DC supply
Use Case	education and analog development
Documentation Type	OEM CSI1802X listing
Regulation Class	linear regulated CSI18xx
Metering	front panel voltage and current
Binding Posts	front output
Cv Cc	constant voltage / current limit class
Ac Input Class	mains IEC on the CSI1802X
Ripple Class	CSI1802X ripple on the sheet
Line Regulation Class	CSI18xx line regulation on the sheet
Load Regulation Class	CSI18xx load regulation on the sheet
Operating Class	benchtop laboratory
Brand Lineage	Circuit Specialists
Literature	CSI1802X benchtop DC power supply listing
Cooling Class	convection benchtop
Protection Class	current limit

CSI1802X Specifications

PARAMETER	VALUE
Circuit Specialists CSI1802X Benchtop DC Power Supply	Overview
Applications	Benchtop DC bias, education labs, and low power analog circuit development.
Benchtop adjustable DC supply	18 V 2 A class CSI1802X
Technical Specifications	Model: CSI1802X

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Circuit Specialists CSI1802X benchtop DC power supply listings (18 V 2 A class). Exact ripple and regulation millivolts are on the CSI1802X sheet; do not invent mV figures.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.