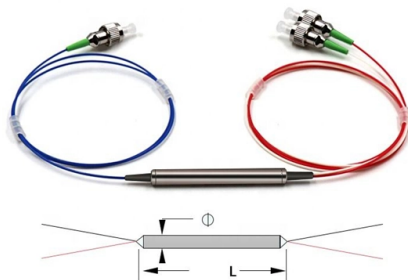


How much does an integrated power supply testing device cost



AI Overview

Integrated power supply testing devices range from around \$20 for basic digital testers to over \$100,000 for high-end automated test systems.

Consumer-Level Testers For hobbyists or small-scale use, digital power supply testers are available on platforms like Amazon, typically priced between \$20 and \$100. These devices can test ATX, BTX, ITX, and TFX power supplies, providing basic diagnostics such as voltage output verification and pin connectivity checks.

Professional Automated Test Equipment (ATE) For industrial or high-volume applications, integrated power supply test systems are significantly more expensive. Systems like Intepro's Procyon PTS 2100-10 support a wide power range from 100 W to 300 kW, include regenerative load technology, and are customizable for aerospace, defense, automotive, telecom, and medical industries. Pricing for these systems can range from tens of thousands to over \$100,000, depending on power capacity, programmability, number of test heads, and software features.

Factors Affecting Cost

- Power Output:** Higher wattage systems require larger components and more robust design, increasing cost.
- Programmability:** Devices with programmable outputs, fast settling times, and SCPI command support are more expensive.
- Regenerative Technology:** Systems that recycle energy back to the grid reduce operating costs but add upfront expense.
- Industry Customization:** Compliance with aerospace, automotive, or medical standards can significantly increase price.
- Precision and Stability:** High-accuracy, low-noise power supplies for sensitive testing applications are costlier.

Summary

Device Type	Price Range
Basic benchtop testers	\$20–\$100
Mid-range lab ATE systems	\$10,000–\$50,000
High-end industrial ATE systems	\$50,000–\$150,000+

Choosing the right device depends on your testing requirements, power range, and industry standards. For large-scale or...

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Automatic Test System (ATS)

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Amazon : Power Supply Tester

Discover reliable power supply testers for ATX, ITX, and BTX systems. LCD displays show voltage readings and automatic alarms alert you to issues.

Amazon : Computer Power Supply Tester

Kingwin Digital Power Supply Tester with LCD Screen – Compatible with ATX, ITX, IDE, HDD, SATA, and BTX, Easy-to-Use Diagnostic Tool for PC Power Supply Testing (Aluminum)

Power Supply Test System

This Power Supply Test System is a configurable turnkey ATE solution designed for automated functional testing of AC/DC power supplies, generator control units, avionics, and related electronics.

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