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Data Sheet

August 14, 2026

AMPLIFIER RESEARCH

Amplifier Research CP3000

Amplifier Research CP3000 RF Coupler Probe Accessory The Amplifier Research CP3000 is an RF coupler/probe accessory in the AR power-sampling family for monitoring amplifier output paths. OEM accessory literature positions CP-series devices for forward-power sample extraction into power meters or spectrum analyzers while the mainline carries high CW power. Amplifier output sampling, power-meter feed, and spectrum monitoring of high-power RF paths. Instrument Type: RF coupler probe accessory The Amplifier Research CP3000 is an RF coupler/probe accessory in the AR power-sampling family for monitoring amplifier output paths. OEM accessory literature positions CP-series devices for forward-power sample extraction into power meters or spectrum analyzers while the mainline carries high CW power. Amplifier output sampling, power-meter feed, and spectrum monitoring of high-power RF paths. Instrument Type: RF coupler probe accessory Coupling Factor Class: Fixed per nameplate class



MODEL

**Amplifier Research
CP3000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CP3000

LISTING

<https://aumictechlabs.com/products/cp3000-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Amplifier Research CP3000 is a solid-state, air-cooled broadband power amplifier engineered for high-power RF testing and laboratory applications. It delivers a minimum of 3000 watts across 10 kHz to 25 MHz, making it suitable for RF immunity testing, broadband signal generation, and

integration into larger RF test systems. The unit features built-in safety and control circuitry for reliable continuous operation, with forced-air cooling for thermal management.

Technical Specifications

- Output Power: 3000 watts minimum
- Frequency Range: 10 kHz to 25 MHz
- Architecture: Solid-state, air-cooled
- Input/Output Impedance: 50 ohms (RF standard)
- Cooling Method: Forced air
- RF Connectors: Type N female

Key Features

- High-power output for demanding RF test environments
- Integrated safety and control circuitry
- Thermal overload, short-circuit, and RF over-drive protection
- Wide frequency coverage from extremely low frequency to 25 MHz
- Designed for continuous-duty operation

Typical Applications

- Electromagnetic compatibility (EMC) and RF immunity testing per industry standards
- Broadband RF power amplification for research and development
- High-field-strength generation for compliance testing
- System integration as a primary amplification stage in RF test platforms

Compatibility & Integration

- Standard RF test equipment integration (oscilloscopes, spectrum analyzers, network analyzers)
- IEEE-488 (GPIB) remote control interface for automated test sequences
- Compatible with GPIB controllers for system automation

CP3000 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	RF coupler probe accessory
RF Impedance Class	50 ohms class
Function	Sample forward RF power
Series Family	CP3000
Form Factor	Coupler probe accessory
Connector Class	TypeNclass
Primary Use	Amplifier output monitoring
Coupling Factor Class	Fixed per nameplate class
Frequency Coverage Class	Matches companion amplifier class
Power Handling Class	High power mainline class
Insertion Loss Class	Low mainline loss class
VSWR Class	Low mainline VSWR class
Operating Temperature Class	Amplifier room ambient class
Cooling	Passive
Calibration	Coupling factor on nameplate or certificate
Export Classification Class	Commercial RF passive class
Weight Class	Accessory weight class
Mounting	Inline or amplifier sample port class
Related Instruments	AR amplifiers and power meters
Sample Port Connector Class	TypeNor BNC class
Gender Interface Class	TypeNclass
Harmonic Effects Class	Broadband sample response class
Directivity Class	Directional sampling class
Operating temperature	Class: Amplifier room ambient class

CP3000 Specifications

PARAMETER	VALUE
Amplifier Research CP3000 RF Coupler Probe Accessory	Overview
RF sample extraction	50 ohm interface class
Technical Specifications	Instrument Type: RF coupler probe accessory

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Amplifier room ambient class
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Cooling	Passive
Calibration	Coupling factor on nameplate or certificate
Export Classification Class	Commercial RF passive class
Weight Class	Accessory weight class
Mounting	Inline or amplifier sample port class
Related Instruments	AR amplifiers and power meters
Sample Port Connector Class	TypeNor BNC class
Gender Interface Class	TypeNclass
Harmonic Effects Class	Broadband sample response class
Directivity Class	Directional sampling class Notes From Amplifier Research CP3000 coupler/probe accessory family documentation. Confirm coupling factor, band, and power rating on the unit nameplate.

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	
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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.