



Model CP3000A, M1 through M4 IEEE-488 Interface

The Model CP3000A is an IEEE-488/RS232 compatible interface, designed to provide remote control of many AR RF/Microwave Instrumentation amplifiers. It will support all necessary commands under IEEE-488-1986 and RS232. The CP3000A will control and monitor all AR amplifiers equipped with cabled remote control capability via a 25-pin subminiature D remote connector (see chart on back).

The Model CP3000A provides electrical isolation between the amplifier and the communications bus via a DC-DC switching power supply, relays and optical isolation of all signal lines. This isolation eliminates transient and RF interference, encountered in susceptibility testing, from affecting the control interface and the IEEE-488 bus. Constructed in a small shielded enclosure, it can be used at the amplifier or at a distance via remote cable. The CP3000A comes in either a cabinet or with nineteen-inch rack-mount brackets.

Included on the front panel are pushbutton switches and a 2 x 20 Vacuum Fluorescent Display that control and indicate the amplifier's status. The rear panel provides the 25-pin D connector, the IEEE-488 interface connector, 9-pin subminiature D RS232 connector, blanking output, blanking pulse input, address switches and switches used to configure the unit according to the type of amplifier to which it is connected.

COMMAND INFORMATION
AMPLIFIER CONTROL COMMANDS

Table with 2 columns: Command Name and Description. Includes POWER, STANDBY, OPERATE, PULSE, RESET, BLANK (Enable/Off).

AMPLIFIER STATUS COMMANDS

Table with 2 columns: Command Name and Description. Includes STATUS, IDENTIFY.

SPECIFICATIONS

Table with 2 columns: Specification Name and Value. Includes PRIMARY POWER, CONNECTORS, CABLES, DIMENSIONS, WEIGHT.

MODEL CONFIGURATIONS

Table with 4 columns: Model No., 19" Rack Mount, Special Cables, Cable Length. Lists models CP3000AM1 through CP3000AM4.

FUNCTION VS MODELS

MODELS	FUNCTION						NOTES
	POWER ON/OFF	STANDBY	OPERATE	PULSE ON/OFF	FAULT/ RESET	BLANK ON/OFF	
250L	•	•	•	•		•	
1000LP, -M10	•	•	•	•		•	
1000L, -M8	•	•	•	•		•	
2500L, -AM8, -M8	•	•	•	•		•	
5000LP	•	•	•	•		•	
10,000LP	•	•	•	•		•	
10,000L	•	•	•			•	
1000HA	•	•	•				
100HB	•	•	•		•		
500HB	•	•	•		•		
1000HB	•	•	•		•		
25W1000, -A	•				•		
25W1000M7	•				•		
30W1000M7	•				•		
35W1000	•				•		
50W1000A	•				•		
100W1000,-M1, M1A	•	•	•		•		
100W1000M7	•				•		
200W1000M7, -A	•				•		
500W1000M5	•	•	•		•		
500W1000M7	•	•	•		•		
1000W1000M7	•	•	•		•		
50WD1000	•				•		Band Select via OPER & STBY
25S1G4	•	•	•		•		
150A220	•	•	•				
250A250	•	•	•		•		
250AP250	•	•	•		•	•	
500A100	•	•	•		•		
1000A100	•	•	•		•		

Additional models coming.
Check factory for compatibility with old or discontinued models