

PART NUMBER
SPEC -
MAINFRAME

System Specifications

SERIES 500 MAINFRAME

Interface: Custom parallel bus, connecting Series 500 mainframe to IBM or Apple through supplied cable and interface card.

Host computer configuration:

IBM: PC or XT, 192K RAM (PC-DOS1.1) or 250K (PC-DOS2.0). Graphics requires color graphics card and monitor.

APPLE: Apple II or IIE, 128 K RAM.

Interface cable: 5 foot shielded.

CPU, resident in host computer: 8088 (IBM), 6502 (APPLE)

Mainframe capacity: User configurable up to 10 cards per mainframe.¹

Maximum channel capacity²:

- Analog Input 272 single ended, 136 differential
- Analog Output 50
- Digital Input 160
- Digital Output 160

Power supply capacity: + 5V @ 3A max, + 15V @ 500mA max. Supply used to power mother board and cards. Power is available at rear of mainframe for external use.

Signal connections: Screw terminals on each card

AC power requirements: Switch selectable 105 to 125 VAC, or 210 to 250 VAC. 50 or 60Hz, 100W max.

Operating temperature: 0 to 40°C

Storage temperature: -20 to 60°C


Size/Weight: 111mm high x 308mm wide x 269mm deep (4-3/8" x 12-1/8" x 10-13/32"), 4.8kg (10lb, 12oz)

Isolation: Mainframe and non-isolated cards are referenced to chassis ground.

Isolated cards can accommodate +500V peak common mode voltage.

Certification: meets FCC part 15J, class A.

1. Restrictions exist on card slot location and combinations. Refer to manual for details. Some combinations require external power.
2. Maximum channel capacity is with entire system dedicated to that function. Refer to manual for individual card capacity to determine specific system capacity.

LTR	REVISIONS	APP.	DATE	DRN.	DATE	 Keithley Instruments Inc. Cleveland, Ohio 44139
A	RELEASED 9481		11-35	CKD.	DATE	
				APP.	DATE	
				SPECIFICATIONS		PART NUMBER
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