

## Specifications

### Mainframe Specifications

**Pacer(50% duty cycle):** Programmable intervals: 500 nsec to 8.389 sec with 500 nsec resolution.  
 Accuracy:  
     First pulse after trigger: 0.01% of programmed time + 600 to 850 nsec.  
     Additional pulses: 0.01% of programmed time  $\pm$ 50 nsec.  
 Number of pulses: 1 through 8388607 or continuous.  
 Drive capability:  
      $V_{LO} \leq 0.75 \text{ V @ } 4 \text{ mA}$   
      $V_{HI} \geq 3.4 \text{ V @ } -4 \text{ mA}$   
 Rise Time/Fall Time: 320 nsec/90 nsec.

**Real-time Clock:** Accuracy: 0.01% of elapsed time since last sset  $\pm$ 1 sec @ 25° C.  
 Temperature variation:  $\pm$ 0.01% of elapsed time since last set, over full temperature range.  
 Resolution: 1 sec.  
 Non-volatile lifetime: 60 days without additional RAM.  
 Battery life: 1 year typical, NiCd battery.

**Trigger Input:** TTL compatible, minimum pulse width 300 nsec.

**Non-volatile added memory storage lifetime:** Non-volatile added storage is backed up by NiCd battery. The table below shows minimum and typical lifetimes, which vary according to the amount of memory installed.

RAM (MBytes)	MIN Lifetime (hours)	Typical lifetime (days)
0.5	240	320
1.0	130	180
1.5	90	120
2.0	72	90

**Slots:** 7 B-size and 3 A-size

**EMC, RFI, Safety:** Meets FTZ 1046/1984, CSA 556B, IEC 348, UL 1244.

**Size:**

	inches	mm
Height without feet	6.97	177
Height with feet	7.44	189
Width	16.75	426
Depth	20.1	510
Depth with terminal blocks	22.33	569

**Weight:**

	E1300A	E1301A
Net	7.4 kg	7.8 kg
Max per modules	1.3 kg	1.3 kg

**Power:** Line voltage: 115 or 230 Vac @ 50 to 400 Hz  
 Fused at: 3 A @ 115 Vac  
 1.5 A @ 230 Vac  
 Consumption: E1300A (empty) 27 W, 52 VA  
 E1301A (empty) 31 W, 57 VA

Any combination of HP Series B modules can be powered and cooled by the HP 75000 Series B mainframe. Configuration using non-HP modules (e.g., VME modules) should be checked to assure the power consumption does not exceed 12.25 A on +5 V, 4.65 A on +12 V, and 0.95 A on -12 V supplies. The HP 75000 Series B mainframe will provide ample cooling for configurations that stay within these limits.

**Cooling:** 80 Watts total

Note: HP Series B mainframes provide VXIbus connector P1. Modules may not be masters or use more than 10 Watts.

**Humidity:** 65% 0° to 40° C

**Operating temperature:** 0° to 55° C

**Storage temperature:** -40° to 75° C