

Specifications and Supplemental Characteristics

Table 1-1 lists the specifications and supplemental characteristics of the MPS mainframe. Module specifications are included in the appropriate module *User's Guide*. Specifications are warranted in the temperature range of 0 to 55 degrees C. Supplemental characteristics are not warranted, but are descriptions of minimum, maximum, or average performance that has been determined by design or type testing.

Table 1-1. Specifications and Supplemental Characteristics

PERFORMANCE SPECIFICATIONS	
AC Input Ratings	
Standard:	87- 132 Vac 174- 250 Vac
Frequency tolerance:	47 - 63 Hz
SUPPLEMENTAL CHARACTERISTICS	
Maximum AC Line Current Ratings (with 8 power supply modules operating at maximum output)	
100 Vac:	29 A rms
120 Vac:	25 A rms
200 Vac:	16 A rms
220/230 Vac:	16 A rms
240 Vac:	15 A rms
Maximum power input:	3200 VA; 1800 W maximum; 1600 W typical
GPIB Interface Capabilities	
Languages:	Standard Commands for Programmable Instruments (see module <i>Programming Guide</i>)
IEEE 488.2 Capabilities:	SH1, AH1, T6, L4, SR1, RL1, PPO, DC1, DT1, EI, and CO
Serial Link Capabilities (Multiple mainframes sharing one GPIB address)	
Number of mainframes:	2
Number of modules:	16
Serial-linked power supplies:	total number of modules and serial-linked power supplies (Agilent 667xA/665xA/664xA/603xA) cannot exceed 16
Chain length:	30 m (100 ft) maximum
TrigIn/TrigOut Characteristics	
Maximum Ratings:	± 16.5 V between center conductor and chassis
Trig Out (HC TTL output):	V_{OL} @ 4 ma = 1.34 V maximum V_{OL} @ 2 ma = 0.8 V maximum V_{OH} 4 ma = 2.66 V minimum V_{OH} 2 ma = 3.18 V minimum
Trig In (10k pull-up):	I_{IL} @ 4 V = 700 μ A I_{IH} @ 5.25 V = 200 μ A V_{IL} = 0.8 V maximum V_{IH} = 2.0 V minimum

Table 1-1. Specifications and Supplemental Characteristics (continued)

INH/FLT Characteristics	
Maximum Ratings:	± 16.5 V between pins 3 and 4 $+ 16.5$ V between pins 1 and 2 $- 5.3$ V between pins 1 and 2
INH (10k pull-up):	I_{IL} @ 4 V = 700 μ A I_{IH} @ 5.25 V = 200 μ A V_{IL} = 0.8 V maximum V_{IH} = 2.0 V minimum
DFI (open collector):	V_{CE} = 0.4 V maximum @ IC = 2.2 mA I_{IH} @ 5.25 V = 200 μ A V_{IL} = 0.8 V maximum V_{IH} = 2.0 V minimum
Dimensions	
Width:	426 mm (16.75 in)
Height:	178 mm (7 in), add 13 mm (0.5 in) for removable feet
Depth:	678 mm (26.7 in), including module connectors
Weight (does not include modules)	
Net:	15 kg/33 lbs.
Shipping:	19 kg/41 lbs.
Environmental & Safety Compliance	CSA 556B IEC 348 UL 1244 VDE 0411
RFI Suppression	VDE 0871.6.78 Level B