

Table 1-1. HP 16510B Specifications

HP 16510B SPECIFICATIONS**Probes****Minimum Swing:** 600 mV peak-to-peak.

Threshold Accuracy:	<u>Voltage Range</u>	<u>Accuracy</u>
	-2.0V to +2.0V	± 150 mV
	-8.9V to -2.1V	± 300 mV
	+2.1V to +8.9V	± 300 mV

State Mode**Clock Repetition Rate:**

Single phase is 35 MHz maximum. With time or state counting, minimum time between states is 60 ns. Both mixed and demultiplexed clocking use master-slave clock timing; master clock must follow slave clock by at least 10 ns and precede the next slave clock by > 50 ns.

Clock Pulse Width: ≥ 10 ns at threshold.**Setup Time:** Data must be present prior to clock transition, ≥ 10 ns.**Hold Time:**

Data must be present after rising clock transition on all pods; 0 ns.

Data must be present after falling clock transition on pods 1,3 and 5; 0 ns.

Data must be present after falling clock transition on pods 2 and 4; 1 ns.

Timing Mode**Minimum Detectable Glitch:** 5 ns wide at the threshold.