

Engineering Note

Topic: HR2000+ Feature Allowing Capture of a Full Spectrum into Memory Every Millisecond

Product Affected: HR2000+ Fiber Optic Spectrometer

Date Issued: 02/13/2008

Description

The HR2000+ allows users to capture a full spectrum into memory every millisecond when the computer used has at least a Pentium® D CPU 3.40 GHz 2.37GHz or a Pentium® 4 CPU 3 GHz and 1 GB RAM. The data must be captured using the High Speed Acquisition mode.

The following table shows the number of acquisitions per second that can be expected from different computer configurations during average performance:

Acquisitions Per Second	System Properties	
	Processor	RAM
1000	Pentium D CPU 3.40 GHz 2.37GHz	1 GB
1000	Pentium 4 CPU 3 GHz	1 GB
833	Intel Corel TM 2 CPU T7200 2.0 GHz 998 MHz	1 GB
833	Intel R 2.6 GHz 798 MHz	1 GB
833	Intel Corel TM 2 CPU T7200 2.0 GHz 998 MHz	1 GB
833	Intel Corel TM 2 CPU T7800 2.60 GHz 777 MHz	1.99 GB
500	Mac mini Intel Core Duo 1.83 GHz	1 GB
769	Pentium A CPU 1.80 GHz 1.79GHz	632 MB
714	Pentium 4 CPU 2.80 GHz 2.79 GHz	504 MB
137	X86 Family 6 Model 8 AT/At Compatible	129,520 KB

