

instruNet Period Measurement

Application Note #96, 8/14/2002

The iNet-200 pci controller card with instruNet driver $\geq 1.29.3$ can measure the sum of 1 to $2e9$ periods by counting a .25us or 1ms timebase with a 64bit counter, with the following limitations:

.25us/8ms	# of Periods	Max Value
.25us	1	0.016 sec
.25us	2 .. 255	4.1 sec
.25us	>255	4.1 sec every 10 to 100 periods
1ms	1	32 sec
1ms	2 .. 255	16777 sec (24bit ctr)
1ms	>255	16777 sec every 10 to 100 periods