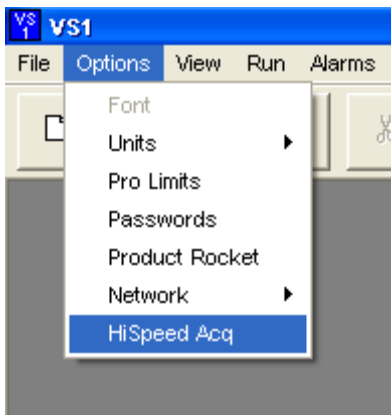


RUSSELLS TECHNICAL PRODUCTS

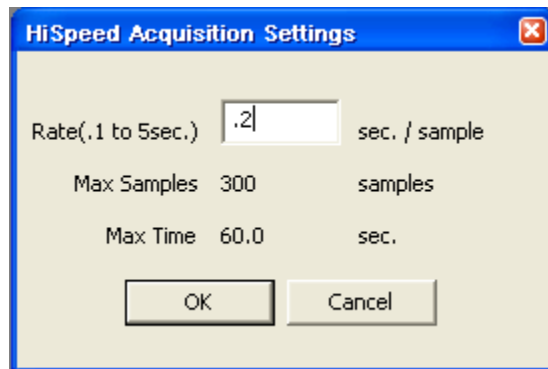
HiSpeed Acq System

The 'HiSpeed Acq' system allows for data logging of the altitude process variable to a comma delimited file. The sample rate is user configurable to a period between samples of (.1) to (5) seconds. A single acquisition event can be up to (300) samples in length regardless of the period between samples setting. An acquisition event is initiated on the transition of the 'HiSpeed' event from 'off' to 'on'. An acquisition event can be stopped prior to the (300) sample limit by transitioning the 'HiSpeed Acq' event to 'off'. Once the acquisition event is complete, by acquiring (300) samples or the transition of the 'HiSpeed Acq' event from 'on' to 'off', the acquired data is written to a comma delimited file in the 'C:\Vs1\HiSpeed' folder. The name of the comma delimited file is formed by concatenating together the running profile name, current date, and time.

To adjust the HiSpeed Acq settings click the VS1 menu item 'Options'-'>'HiSpeed Acq'...



Enter in the 'Rate' field of the 'HiSpeed Acquisition Settings' dialog the time between samples required and click 'OK' to commit...



The status bar on the right side of the VS1 main window includes a 'HiSpeed Acquisition Status' section. The 'Acquiring' indicator illuminates when the 'HiSpeed Acquisition' system is in the process of acquiring data. The 'Complete' indicator illuminates when the 'HiSpeed Acquisition' system has either acquired the limit of (300) samples or the 'HiSpeed Acq' event has transitioned from 'on' to 'off' before the limit of (300) samples was acquired. The 'Data Ready' indicator illuminates when the acquisition is complete and the acquired data is successfully written to ...

'C:\VS1\HiSpeed\filename_yyyy_mm_dd_hh_mm_ss.csv'

'Samples' indicates the current sample count for the current acquisition event.

'Time' indicates the elapsed time the current acquisition event has acquired data.

