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## #AS171 - New Features of *AcqKnowledge 3.5*

<b>PROGRAM</b>	<p><i>AcqKnowledge 3.5</i> is a 32-bit application. <i>AcqKnowledge 3.5</i> will not run under Windows 3.1, but <i>AcqKnowledge 3.26</i> is still available for Windows 3.1. The program uses a new installation procedure.</p>
<b>Menu Options</b>	
Customization feature	Menu customization available using the menu.dsc file to turn menu items on and off.
Help menu	There is no on-line Help for <i>AcqKnowledge 3.5</i> .
About menu	When this is selected, the About <i>AcqKnowledge</i> screen is generated. This screen now contains more system information that might be useful for Tech Support.
<b>File menu</b>	
Keyboard shortcuts added	<p>Ctrl-O Open Ctrl-N New Ctrl-S Save Ctrl-T Print Ctrl-Q Exit</p>
Open multiple files feature	Select designated files by using Ctrl-click or a range of files by selecting with Shift-click. The Open command will open all of the files selected and will tile the display.
<b>Transform menu</b>	
Digital filters	<p>Now includes IIR option  IIR options: Low Pass, High Pass, Band Pass (low+high), Band Pass and Band Stop</p>
Template functions	Now includes Inverse Mean square error option.
Integrate	<p>New option for transformation functions (also a calculation channel option).  The Integrate setup box is divided into two sections, each with appropriate options:  Average over samples  Reset via channel</p>
Difference	Calculation is now based on Intervals between samples rather than sample points.
Resample	Minimum rate 0.0333 added to dialog.
Math > Threshold	The Threshold has been changed from (-1:+1) to (0:+1)

Smoothing	Includes options for Mean value smoothing Use median value
Find peak	Now includes options for User-defined interval (for data reduction) Off-line averaging
<b>Display menu</b>	
Reset chart display	New to menu; option is also (somewhat hidden) in the "Size window" dialog.
Preferences	Now includes <u>U</u> <u>p</u> <u>d</u> <u>a</u> <u>t</u> <u>e</u> <u>S</u> <u>c</u> <u>r</u> <u>e</u> <u>e</u> <u>n</u> <u>I</u> <u>n</u> <u>t</u> <u>e</u> <u>r</u> <u>v</u> <u>a</u> <u>l</u> <u>s</u> options of quarter, half or full page. USI is a right mouse shortcut option on the PC when you click in the horizontal scale.
Show > Measurements	New options added for: Max T Min T Median Median T Correlation Calculate
Grid option	If you press the "Ctrl" key and select the Grid icon from the toolbar, a more precise grid display is activated.
<b>MP100 menu</b>	
<i>Setup Channels &gt; Analog</i>	
Scaling	The Change Scaling Parameters box now includes an "Option" section with: Calibrate ALL channels at the same time Use mean value When "Use mean value" is selected, a "Settings" button is available, which leads to an entry for the number of samples.
<i>Setup Channels &gt; Calculation</i>	
Integrate	The Integrate calculation box is now divided into two sections, each with appropriate options Average over samples Reset via channel
Difference	Calculation is now based on Intervals between samples rather than sample points.
Smoothing	New option Includes "Use median value" option
Rate	Now has a "Show" section with options for Threshold Modified
Control	The output signal range has changed from (0:+5) to (0:+1)

Show Input Values > Font	You can set the font type, style, and/or size for the Show Input Values display. Click on the FONT button, then adjust the settings and click OK.
Configuration	No longer an option.

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