



Product Release

LDS-Dactron Shaker Control Version 6.3

December 19, 2008

Enhancements and Bug Fixes

General

- 6848 Angular Acceleration Control - this function isn't working correctly in the V6.X software
- 7362 Non-Acceleration Control - if control to displacement is set then the user wants to switch back to control to acceleration the profile always shows displacement units
- 7580 Display Contents and Cursor issues
- 7581 Spectrum integration to velocity and displacement is wrong
- 7855 WEISS/SIMPATI Chamber control problem with setting the IP address
- 7969 Installation Software/Shaker Library - when Metric System (ISO) is selected as the Default Unit the Shaker Library values are incorrect
- 8012 Watlow Chamber Interface/RunLog - the Watlow Chamber Interface caused the test to abort, but the runlog was not clear on what the source of the abort was.
- 8147 V6.2 Help Topics - software crash can occur when using the V6.2 Help Topics
- 8225 Shaker Library - add V875LS parameters to the Excel document for shaker parameters
- 8256 Shaker Force calculation cosmetic problems
- 8761 Calibrate function in Channel Parameter works only with Channel 1
Added support for 52 character license keys to support new software options.

Amplifier Controller

- 8796 Amplifier Controller - When running a project sequence the amplifier does not come on after a number of tests are cycled
- 6974 System/Amplifier Controller Software - Output Current (r.m.s.) readout needs to support values greater than 999 A

Random, Sine on Random and Random on Random

- 6681 Random - Intermittent aborts with line high when no high lines are observed in the composite display
- 6842 Random Angular Acceleration Control - control(f) signal is scaled by a factor when compared to the magnitude of the input(f) signal
- 7579 Random - Import Profile From File does not work for X-Y pair format
- 7695 RoR, SoR and SROr the tones or narrowbands do not come on again after an operator abort and a resume test
- 7696 SoR - Sine tone leaves trail of exponentially averaged decayed data as it passes through sweep frequency range.
- 7723 Random - the Profile Setup > Vibration Limits page's Displacement Limits Check Percentage value is double the value that ...

- 7740 Random - Test Reports - Profile Expected Displacement shows a Peak unit label rather than Peak-Peak
- 7759 SOR - Sine tones can no longer be defined outside of the broadband random profile
- 7845 Random - request to minimize the time to detect an abort condition when full level is first reached
- 8014 Random - the notching/limiting profile appears curved on a log-log scale when compared to the random profile
- 8015 Sine On Random (SOR) - various problems with the Profile Setup > Vibration Limits > Force Limit field
- 8254 SoR, RoR and SROr - Force calculation is wrong
- 8379 Random Control Parameters - the Advanced > Control Loss Detection page's "Enable control loss check..." checkbox cannot be disabled in old and in new projects
- 8388 Random - Control Parameters > Advanced > Control Loss Detection page should not allow a user entered value for Max Control Loss setting
- 8389 Random - Control Parameters > Advanced > Control Loss Detection page's settings are sometimes not retained
- 8390 Random - Control Parameters > Advanced > Control Loss Detection page settings can cause some of the Test page's settings to change
- 8411 Random - Added user selectable timeouts on Max Drive and Input Over-range; and use set control average reset

Swept Sine and RSTD

- 7020 Swept Sine - Q cursor calculation differs between transmissibility and complex transmissibility
- 7439 Swept Sine - Project Version Incompatibility - a V5.82 project's Transmissibility signal is scaled when run in V6.20
- 7760 Sine - input(f) signal data do not appear to have improved averaging applied
- 7809 Swept Sine - the inputx(f) and control(f) signals are sometimes cleared from their displays when a scheduled test ends
- 8133 Swept Sine - When using the Preference option to erase the prior sweep the last sweep is erased when it should not be
- 8223 Swept Sine - Math Operations is not working properly when acceleration signals are not m/s²
- 8224 Swept Sine - Math Operations output in Quick Report for an Operand that's a constant is incorrect
- 8611 Sine Multi-Channel Control with control signal loss disabled does not do the averaging correctly
- 8677 RSTD - Dwell cycle count is not correct when the resonance frequency drifts and dwell table does not update properly when it is edited

Classical Shock and TTH

- 7799 Shock - Customer's project causes software crash on Start or when Test ID dialog is opened

7451 TTH - An abort condition causes TTH to lockup (Start/Stop buttons are ghosted)

Long Time History and Waveform Editor

8609 LTH - Profile-Schedule - cannot use a repeated profile name and list becomes confused after reviewing profile plots

8367 LTH Profile dialog and Profile Output Index window - display problems when changing the displacement unit

8609 LTH Profile-Schedule the software prohibits a user from using profiles with the same name (basically repeating a profile but perhaps after some other profiles). The restriction should be removed.

8406 Waveform Editor Crash - Import of text files causes crash unless one additional point is added to the test file