MAGTROL

Durability Test Data Sheet

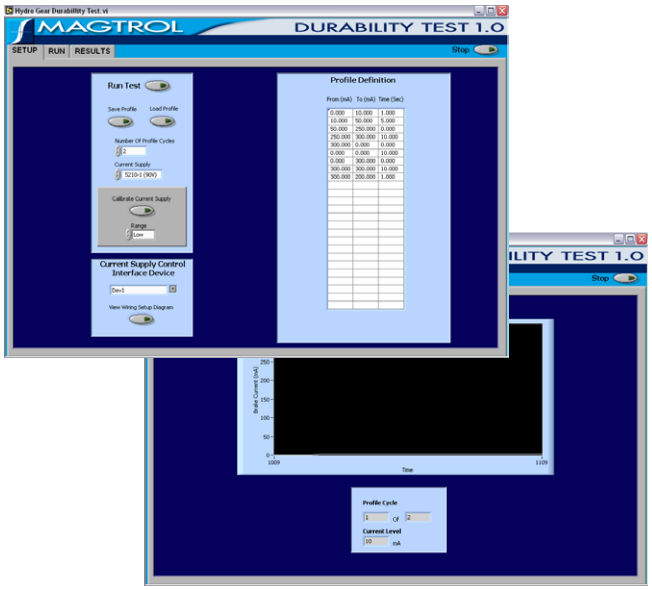
Durability Test 1.0 Software

DESCRIPTION

Magtrol's Durability Test 1.0 is a PC-based motor testing program for use with Windows®2000/XP operating systems. Used with a National Instruments™ USB-6008 Multifunction DAQ, a Magtrol 5210 Current-regulated Power Supply, and a compatible Magtrol Hysteresis Brake, Durability Test 1.0 applies user-defined torque load profiles to a motor under test.

Twenty-four step profiles can be defined by brake current level and time interval. For each step, current can be set to a new value, ramped to a new value, or held constant over a selectable period of time. Profiles can be looped for any number of cycles and can be saved for future tests.

Written in LabVIEW™, Durability Test 1.0 can be run in "Single" mode for a single test setup or "Dual" mode if two test setups are to be controlled from the same PC. A graph displays progress in real time as the software steps through a test profile.

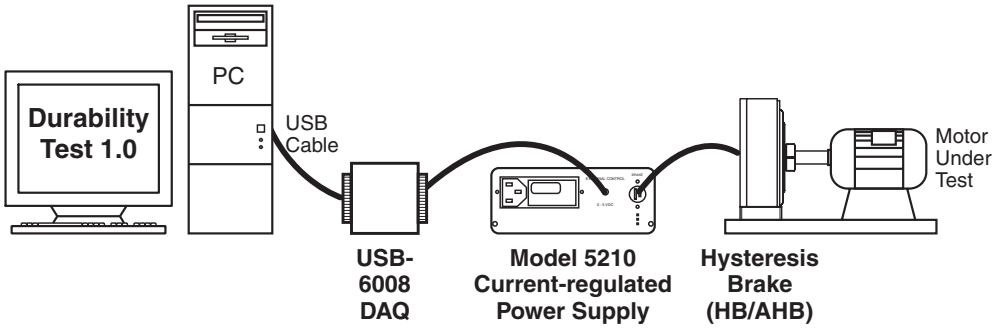


APPLICATIONS

Durability Test 1.0 is well-suited for simulating motor loads and performing survivability tests.

POWERED BY NATIONAL INSTRUMENTS LabVIEW™

SYSTEM CONFIGURATION



Due to the continual development of our products, we reserve the right to modify specifications without forewarning.

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