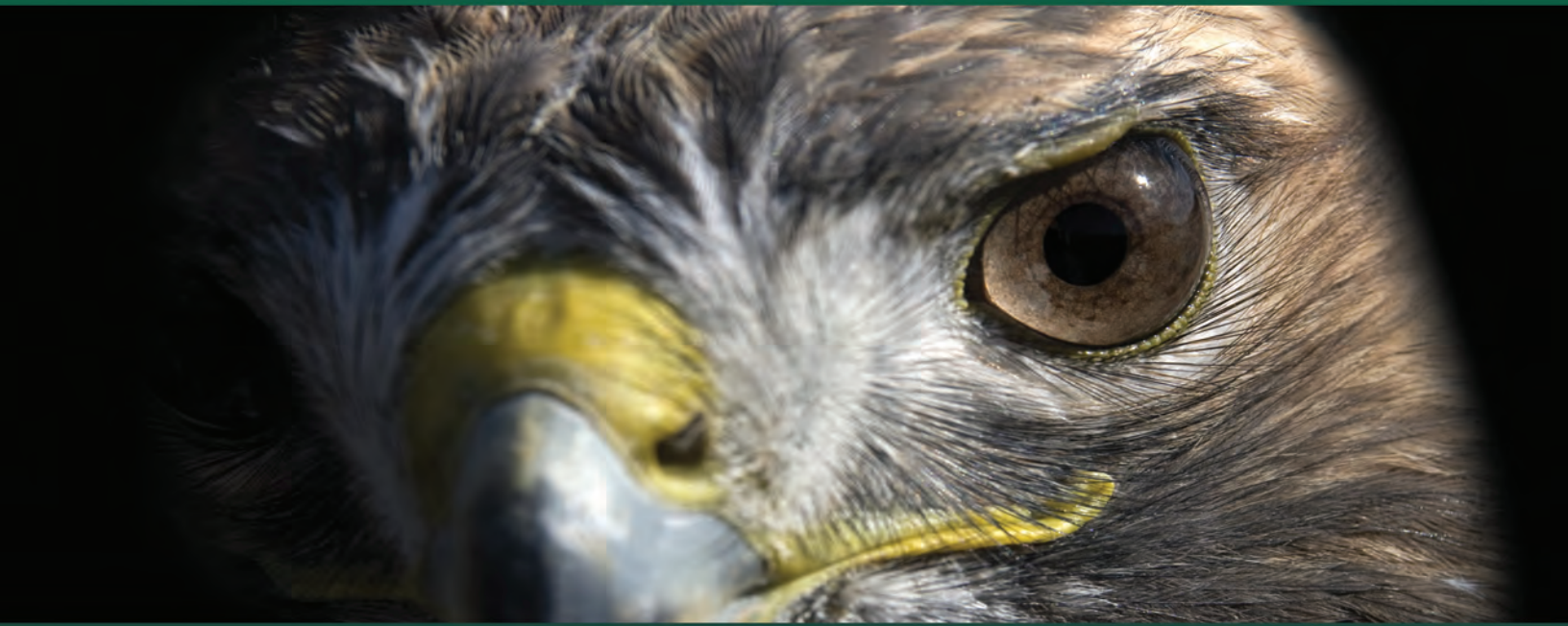


PREYING ON WEAKNESS IN DESIGN



***Haw*Q**
Portable Rapid Testing System


Qualmark[®]



Defining Quality with HawQ-Like Precision

HawQ

Portable Rapid Testing System



Qualmark's new Portable Rapid Testing System not only defines quality with HawQ-like precision, but it gets you there in a fraction of the time of traditional testing methods. It allows you to soar through your thermal cycling tests with change rates of 40°C/min from -100° to +200°C, so you can really maximize your test cycles performed in 24 hours – saving time ... and time is money! HawQ doesn't stop there; it also allows you to conduct Six Degree of Freedom Vibration testing at the quick, simple push of a button. By utilizing the ultimate combined environment of rapid thermal changes **plus** vibration, your designs will fly through reliability testing. *By combining temperature, temperature change, and multi-axis vibration, accelerated tests using high rate temperature vibration chambers can rapidly identify process defects and expose design weaknesses in a wide range of electronic products. Using well-defined acceleration factors [provides] assessments of lifetime and MTBF, reduce[s] product development cycle time, and increase[s] confidence in the product life-cycle reliability. (CALCE* report HALT and HASS Testing)*

HawQ is a cost effective, portable solution that is available for purchase or lease to utilize in, or near, product development groups, R&D, Reliability, and University labs.

*Center for Advanced Life Cycle Engineering, Univ. of Maryland

Standard Features

- Entry Level Rapid Testing System provides combined Environment Accelerated Testing:
 - Rapid Thermal changes from +200° C to -100° C
 - Six Degree of Freedom Repetitive Shock Vibration
- Portable for easy movement between departments
- Easy to use with preset programs & remote monitoring (Ethernet/Wifi options available)
- xLF2 Vibration Table with PSD Management
- Quiet, vibration-isolated system

Options & Accessories

- QDaq Data Acquisition
- Spectrum Analyzer
- PC with HawQ Manage Software
- HawQ Manager Software
- Basic Fixture Kit
- PCA Fixture Clamps
- O2 Sensor
- Dewar Kit
- Multiple Dewar Kit

*Patent Pending



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