

# Technology Enhancement Maintenance Plan



*Latest technology & service  
priced to fit your budget  
and test lab needs!*

xLF2 Upgrade	PLC Upgrade	Technical Support	PM & Cal	Labor	Parts	WBE Discount
Included	Included	Unlimited	2/year	Included	1 year	Included

## xLF2 Table Upgrade

The xLF2 table introduces a new concept to the HALT/HASS industry - maintainable table performance. Qualmark's new table design improves PSD stability - providing superior consistency at higher gRMS - and makes any adjustments for PSD drift easily manageable. Now shipping with its top-selling Typhoon series, Qualmark's new xLF2 table helps customers achieve consistent and reliable HALT and HASS results.

## Latest Revision Software

The latest version of software is installed during preventative maintenance visits. Having the latest software version takes advantage of xLF2 responsiveness to the newer PLC advanced control system - improving granular control fivefold. This precise control enables the xLF2 to deliver execution of inputs so that the correct excitation and thermal stresses can be delivered to the device under test while virtually eliminating overshoots.

## PLC Upgrade

New multi-level security is enabled with the 14-bit controller platform including: *User level* (HASS Screen) - limited to running and data logging profiles; *Technician level* - access to HASS Screen, Test Execution screen, PID's and program definition; and *Administrator* - access to all functions including calibration values and user manager.

Other enhancements have been enabled with the PLC/xLF2 combo such as the addition of a vibration output boost % setting that emits a burst of air on start-up, stimulating the actuators into immediate action. A Vibration throttle limit sets the maximum vibration of the xLF2 so that a predetermined limit will not be exceeded. Automated maintenance prompts with time meters keep track of the system's use, submitting pop up alerts when maintenance is due.

## Annual Maintenance

This comprehensive support plan is essential for helping to keep Accelerated Stress Testing programs on track while mitigating the potential for unexpected expenses. Qualmark's Annual Maintenance program extends the factory warranty, provides preventative maintenance and calibration, and is the only plan that covers the table and actuator performance. It is designed so that customers can focus resources on their product testing program results and leave the chamber maintenance to Qualmark. This program provides the most comprehensive coverage available from Qualmark to help maintain system performance within factory specifications. Most importantly for HASS and HASA, the Annual Maintenance program is crucial in supporting test system compliance (thermal and vibration) with the specifications under which reliability programs have been developed. Annual maintenance includes 12 month's maintenance, service, and part replacement.

*Terms and conditions apply. Contact [support@qualmark.com](mailto:support@qualmark.com) for additional information.*

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