

CUBUS Program: Cyclic Pro

The Cubus Cyclic-Pro Test allows you to define and execute general cyclic fatigue tests. Supports both HCF and LCF. Advanced Adaptive control ensures high test accuracy

Features Include:

- Specimen management with user defined specimen properties
- Supports single or synchronised multiple actuator tests
- Built in acquisition and turning points logging with optional auto-export
- Sine, Square, Triangle, Sawtooth, Trapezoid waveshapes
- Amplitude adaptation, Mean adaptation, Phase adaptation
- Adaptive control with Cross-mode and Mixed-mode
- Support for Adaptive PID-Autotune
- Under and over achievement of levels automatically monitors test quality
- Onset of failure detected from automatic compliance monitoring
- Optimised adaptive control from command learning and levels creep
- Soft start/end of test with fade in/out cycles
- Runtime controls allow real time adjustment of test parameters
- Test Pause, Resume, Stop with auto-restart from last saved cycle counter
- Data Acquisition - Continuous, periodic, turning points capture with auto-file size control
- Configure auto-test pause for specimen inspection intervals
- Execute procedure on test completion e.g. Turn off pressure etc.
- PID and Limits saved with the test project
- Summary of test results for all specimens with PDF and export