



Life time test

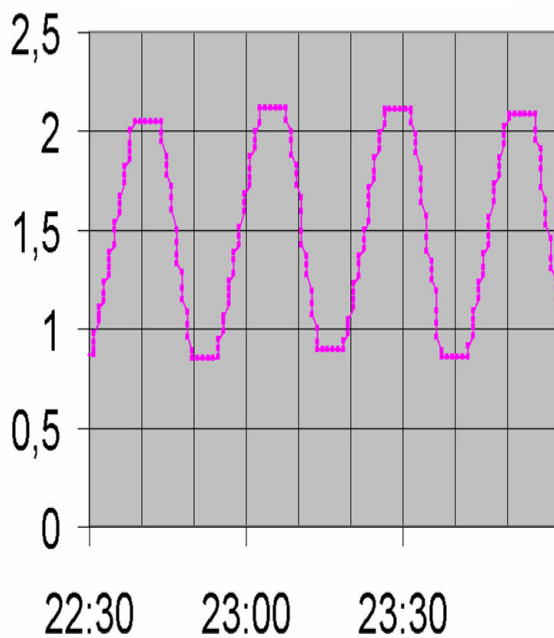
Valve Application

This test places a PCBMotor Ø30mm in a Valve application with a measuring gauge. The PCBMotor is activating the valve with a force of 100N via a spindle.

The graph shows how long it takes for the motor to activate. The motor stands still for 5 seconds between each activation.

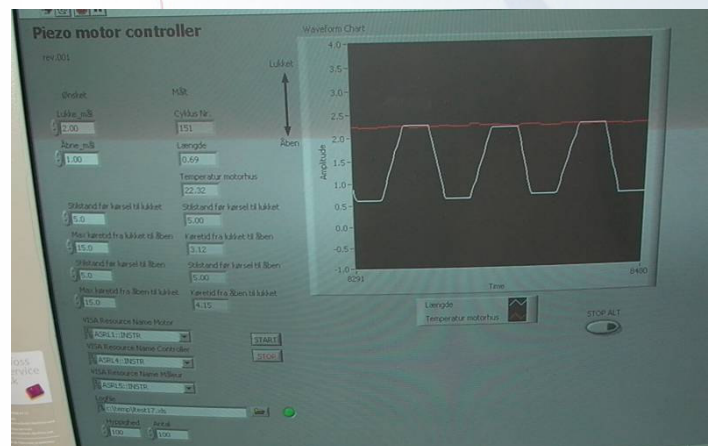
The test was performed at approx 50% duty cycle to lower the temperature rise due to self heating.

Test of PCBMotor



**Time:
Min; Sec**

Test setup



The test lasted 125,000 cycles, corresponding to more than 1000 hours of operation. There were no significant changes to the motor during or after the test.