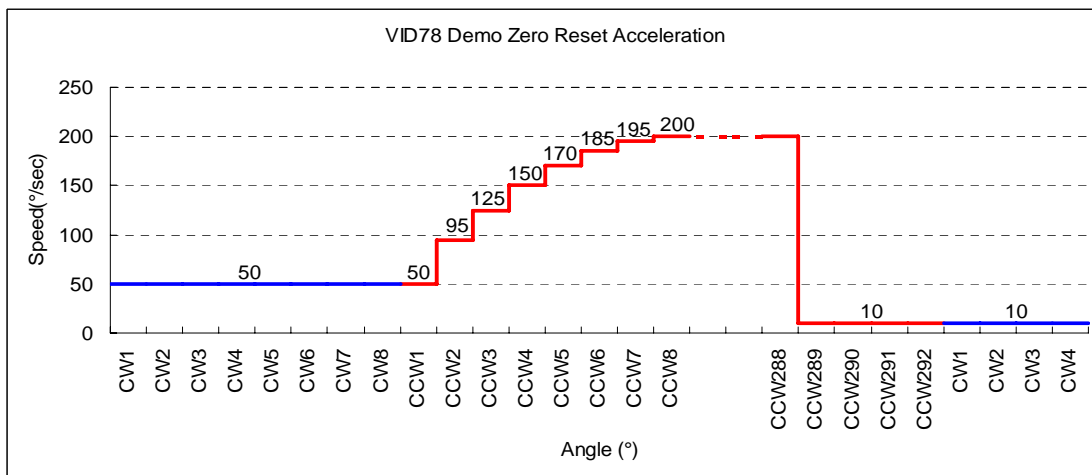


1 Driving VID78 Stepper Motor Zero Reset

- Motor Zero Reset driving procedure includes below steps(refer to figure 1):
 - Stepper motor turns 8degree at 50degree/sec in CW direction
 - Stepper motor turns at CCW direction for 288degree, the speed accelerate from 50degree to maximum 200degree/sec, (the pointer shall go below the graphical zero), then turn the stepper motor 4degree at 10degree/sec at CCW direction.
 - Stepper motor turns 4degree at 10degree/sec at CW direction and align pointer to graphical zero position.



Blue line is CW, Red Color is CCW

Figure1 – pointer zero reset driving procedure

2 Driving VID78 Intermediate turning and Stopping

- To start or stop at each stopping position, speed acceleration or deceleration is required, it is according to the acceleration/deceleration curve(figure 2).

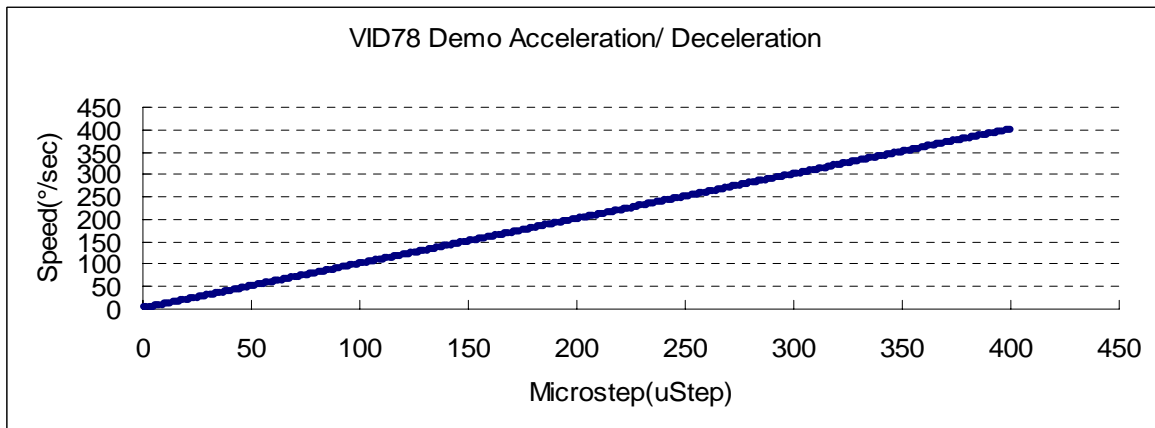


Figure2 – VID78 demo acceleration or deceleration curve