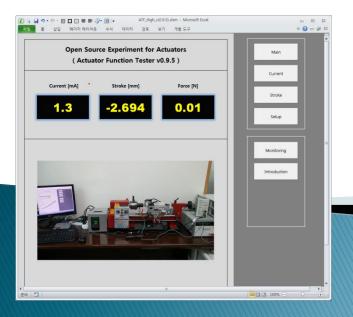
## How to use AFT

( Actuator Function Tester )

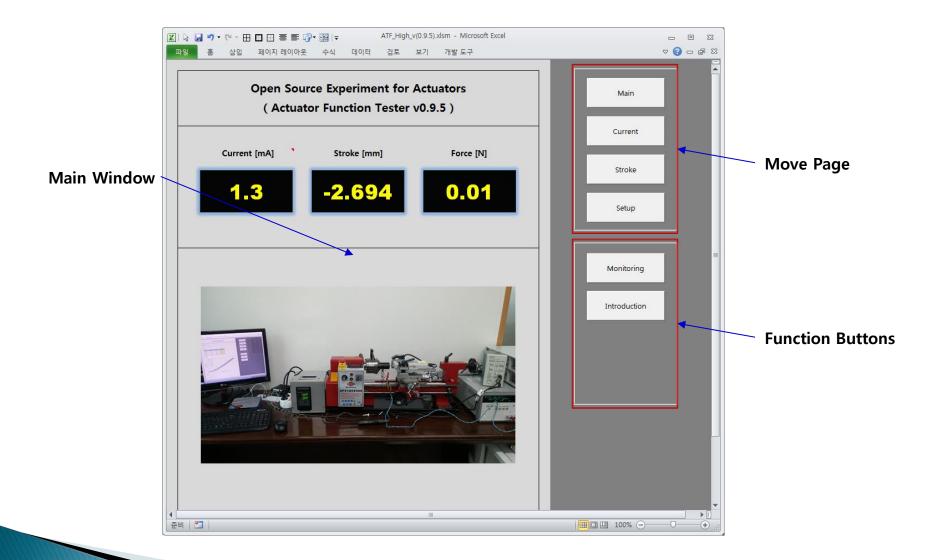


2018-04-22

GiTae Kweon (zgitae@gmail.com)

# **ATF Structure**

## **Program Structure**



## **Pages**

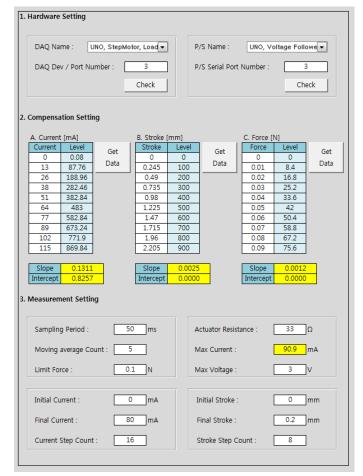
#### Main Page

- Real time current, stoke and force data



#### Settings Page

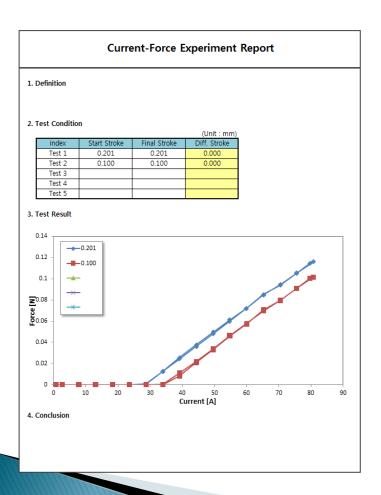
- Correction of physical values and setting hardware and measurement condition



## **Main Window**

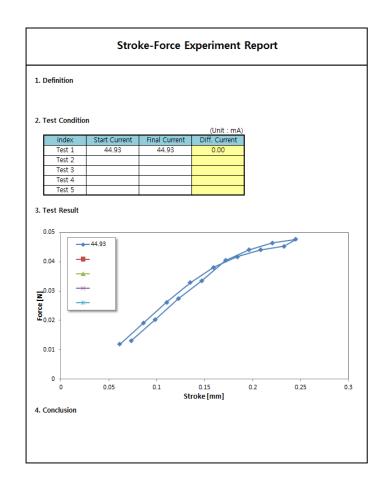
### > Current Page

- Test of Current-Magnetic force



### > Stroke Page

- Test of Stroke-Magnetic Force

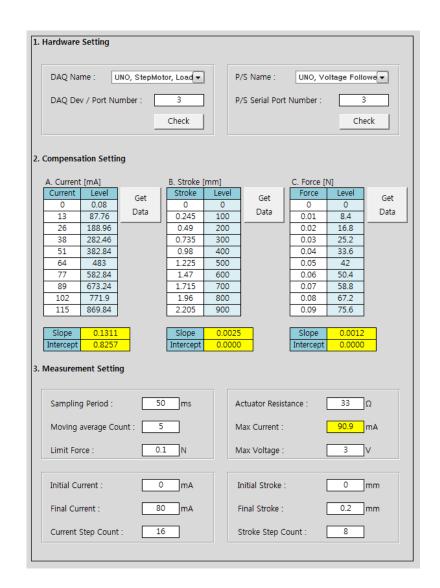


## User Guide

## **Program Setting**

#### > AFT Condition Setting

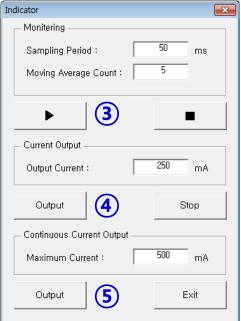
Refer the AFT Installation Manual

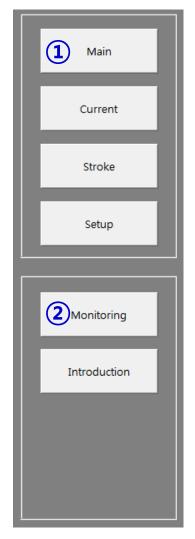


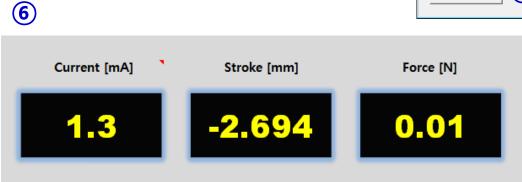
## **Data Monitoring**

#### Measurement explanation

- 1. Move to main page
- 2. Open the monitoring dialog
- 3. Start real time data and stop
- 4. Output current and stop
- 5. Output increasing and decreasing current
- 6. Real time sensing data





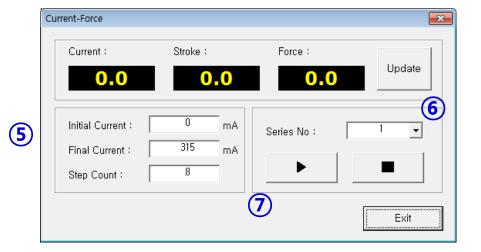


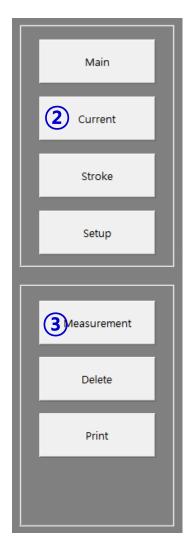


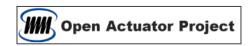
## **Current Measurement**

#### Measurement orders

- 1. First, Set zero position if stroke sensor doesn't set zero position
  - The position of zero is the start or final location of the moving parts
  - The zero position is sensed by confirming the contact via force sensor
- 2. Move to Current Page
- 3. Click "Measurement" button
- 4. Move the stroke sensor to the measured stroke
- 5. Input Initial Current, Final current and Step Count in the dialog
- 6. Set Series No. (Supports until five serial port)
- 7. Click the start button



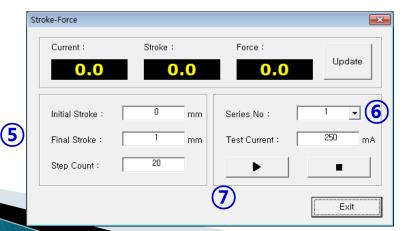


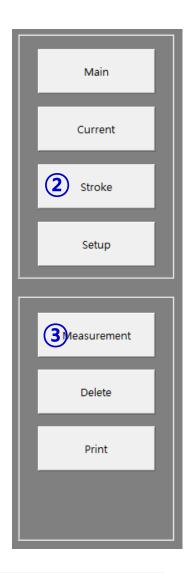


### **Stroke Measurement**

#### Measurement orders

- 1. First, Set zero position if stroke sensor doesn't set zero position
  - The position of zero is the start or final location of the moving parts
  - The zero position is sensed by confirming the contact via force sensor
- 2. Move to Stroke Page
- 3. Click "Measurement" button
- 4. Input Initial Stroke, final Stroke and Step Count in the dialog
- 5. Move the stroke sensor under initial stroke location
- 6. Set Series No. and input the measured current
- 7. Click the start button
- 8. Increase stroke by moving the stroke sensor until reaching final stroke
- 9. After reaching final stroke, decrease stroke by returning the stroke sensor until reaching zero position







## Thank You