

# Trap Control

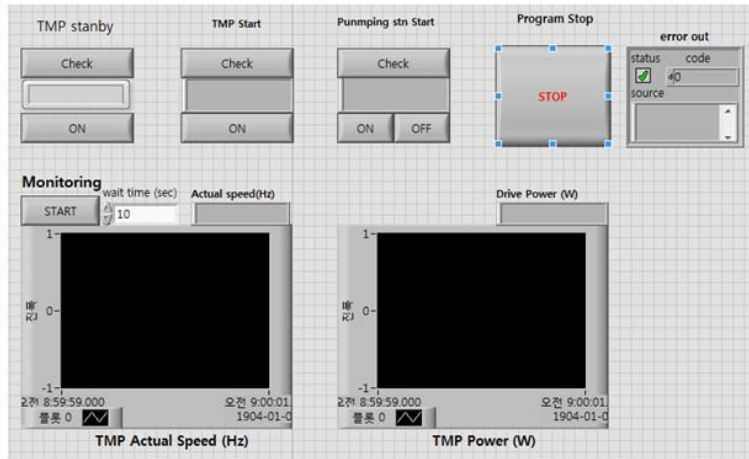
TMP & Gauge control vi  
Thermometer

박관형

# Control vi

## TMP control vi

Path:바탕화면\LabVIEW\190308\TMP\_only.vi



### How to start

TMP stanby ON → TMP start ON → pumping stn start ON

### How to end

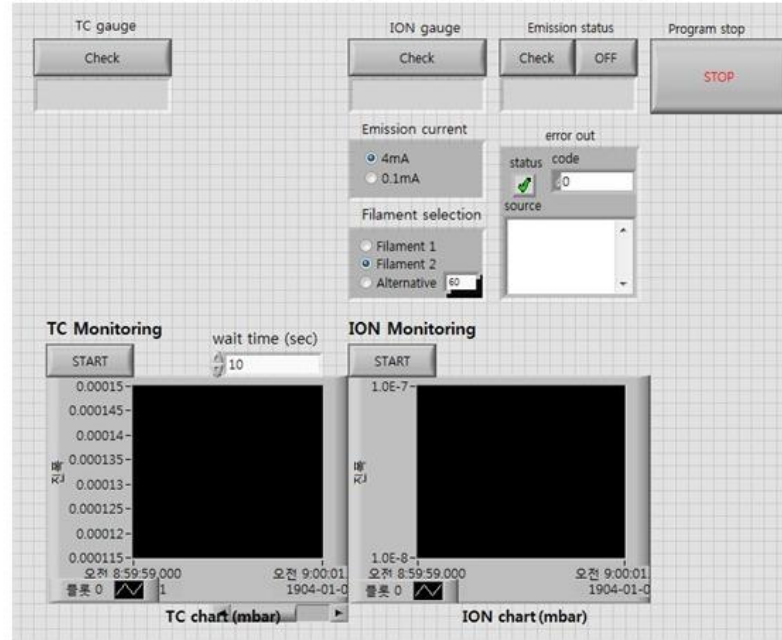
pumping stn start OFF → Monitoring

### How to Monitor

Set wait time and Start

## Gauge control vi

Path:바탕화면\LabVIEW\190308\Gauge\_only.vi



### TC gauge check

Check button below TC gauge

### Check Emission status

Emission status could be checked with check button below Emission status. If the emission current should be turned off, press off button.

### ION gauge check

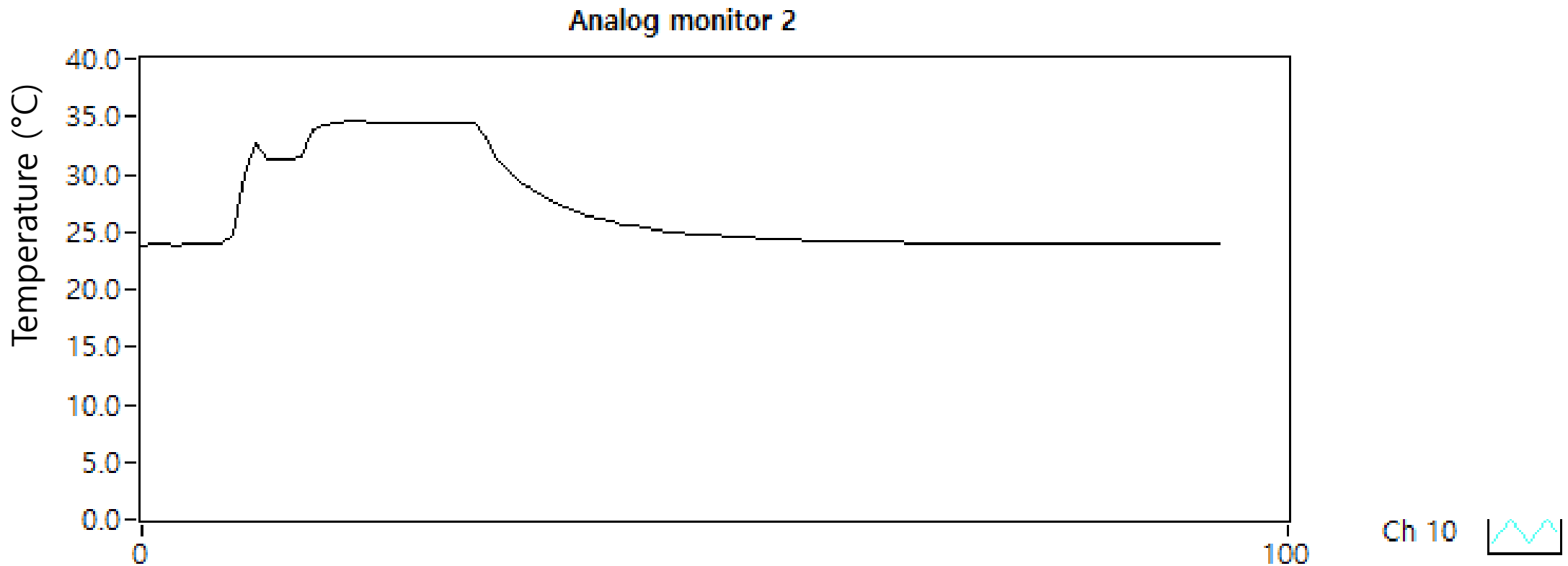
※ Be sure to TMP is on and wait enough time to get pressure lower than 1E-6 mbar or lifetime of filament could be shortened

1. Set Emission current (0.1 mA is recommended if pressure could be higher than 1E-6 mbar)
2. Select Filament (Alternative mode change between two FIL alternatively following number indicates switching time)
3. Press check button below ION gauge (There is 20 sec delay when FIL is turned ON.)
4. Press start button below ION Monitoring for monitoring.
5. Stop button will turn the emission current off and stop vi.

## TMP & gauge control vi is revised

- Ion gauge alternative FIL mode
- Manual FIL status check and off
- Off FIL when vi stop

# Thermometer



| Item                            | Description                                                     |
|---------------------------------|-----------------------------------------------------------------|
| Input configuration             | Isolated input, scanning                                        |
| Analog voltage                  | 20, 50, 100, 200, 500 mV/F.S.; 1, 2, 5, 10, 20, 50 V/F.S.; 1-5V |
| Thermocouples                   | K, J, E, T, R, S, B, N, W (WRe 5-26)                            |
| Resistance temperature detector | PT100, JPT100, PT1000 (IEC751)                                  |

