

**Alert Level:** INFORMATIONAL

**Instruments:** WTS-LV (all models)

**Software Versions:** WTS-LV Release v2\_12 and higher

**Hardware Version:** N/A


**Subject:** Trigger Confirmation Feature

**Summary:** Using the “trigger functioning” confirmation

Trigger Start mode externally signals the user the trigger is active by vibrating the pump motor three times after the trigger plug is removed and reconnected. The signal is similar to the ‘vibrate’ mode on a mobile phone.

The pump motor vibrates during both the trigger test and the deployment. During the Bench Test and Deployment, the vibration occurs at the point in the Trigger test shown in Figure 1.

Vibration



```
Selection [] ? d
Trigger test:
Disconnect and reconnect trigger plug, or press ^C to abort...
Trigger is functioning.

Performing 6 second low-power sleep mode test...
System status: 03/09/18 11:21:10 35.8 Vb 25°C

Caution: Deployment will overwrite the
          EEPROM data backup cache.

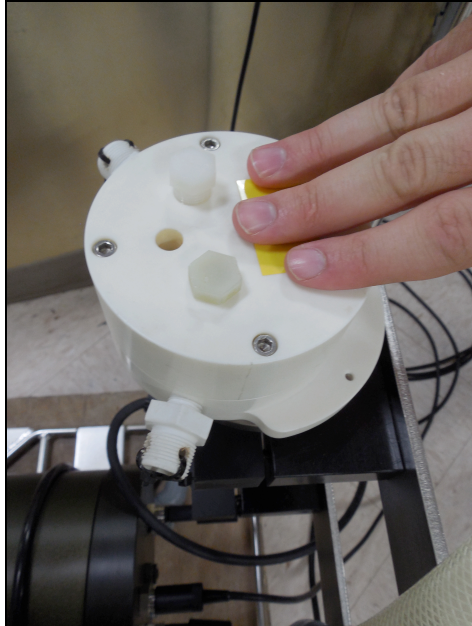
Proceed with the deployment [N] ? y
Trigger delay: 00:05:03 [HH:MM:SS]

Disconnect and reconnect trigger plug, or press ^C to abort...
Trigger received.

Waiting for scheduled event @ 03/09/18 11:26:23
Remove communication cable and attach dummy plug.
System is ready to deploy...
```

*Figure 1: Proceed with Deployment, Trigger Activated*

Placing a hand on the pump motor housing after removing and reconnecting the trigger plug may be helpful to feel the vibration (Figure 2).



*Figure 2: Checking for trigger enabled vibration*

The Trigger feedback vibration is enabled by default, and can be disabled from the Configuration Menu.

1. Type *c* from the Main Menu and then type the password *con* to display the Configuration menu (Figure 3).
2. The Trigger start option <D>, must be enabled to activate the Trigger feedback option <E>. The vibration occurs only when the trigger plug is disconnected and then reconnected.

```
-----  
Selection [ ] ? c Password: ***  
-----  
Configuration: LV-8M                               CF2 V2_12 of Jul 30 2018  
-----  
Configuration Menu  
-----  
Mon Jul 30 01:20:02 2018  
  
<A> Integral Pressure Sensor      [No]  
<B> Pump                          [Maxon  8 L/Min.]  
<C> Rechargeable Battery         [No]  
<D> Trigger                       [Disabled]  
  
<X> Save & Exit                   <^C> Cancel & Exit  
  
Selection [ ] ? d  
  
Is there a trigger installed? [N] ? y  
-----  
Configuration: LV-8M_TR                           CF2 V2_12 of Jul 30 2018  
-----  
Configuration Menu  
-----  
Mon Jul 30 01:20:07 2018  
  
<A> Integral Pressure Sensor      [No]  
<B> Pump                          [Maxon  8 L/Min.]  
<C> Rechargeable Battery         [No]  
<D> Trigger                       [Enabled]  
<E> Trigger feedback             [Enabled]  
  
<X> Save & Exit                   <^C> Cancel & Exit  
  
Configuration successfully stored
```

*Figure 3: Configuration Menu – Trigger Options*