The Sample Stirring Option (SSO)

THT product code = RSDSYS-SSO

The Sample Stirring Option comprises:

- Stirrer control unit
- Stirrer assembly for up to 6 samples
- 10 magnetic stirrer bars

The RSD SSO includes an electronics unit that sits next to the RSD (Figure 1).

This unit controls the stirring allowing the user to turn on/off, set the stirring speed, monitor the stirring speed in rpm and a rotary switch to select the number of stirring channels.

The speed control consists of a variable knob and a 1x/2x toggle.

The minimum speed of stirring is 120rpm and the maximum speed is 2,200rpm.

The rotary switch allows you to select 1, 2 or 3 channels of stirring. Each channel has the ability to stir two sample cells.

A box is connected to the side of the RSD unit with connections for the 3 channels. This is then connected to the electronic control unit.
Figure 2 shows the stirrer set-up within the RSD chamber. The stirring unit is positioned between two samples and therefore will stir both.

It must be noted that this option is designed for stirring in glass vials and that stirring performance in another cell types cannot be verified.

Figure 4 shows the stirrer unit without the wire and magnetic assembly.

Looking at the top of the unit you can see the locating screw. This is altered to allow tight connection into the RSD caddy. A tight connection is of high importance so that movement is restricted and stirring is uninterrupted throughout the test.

A short video of the stirring is available - contact THT directly for a copy.

Figure 3 shows a stirrer bar inside a standard glass vial.