

# Stirling engine, transparent

(DT705-1S)



## User manual for the Stirling engine, transparent

A Stirling engine can convert thermal energy into mechanical energy (thermal engine), whereas the engine can be driven by any external heat source.

### Usage:

- 1) Fix the Stirling engine with the help of a hex key to the ground plate.  
The engine should be used on an even surface.
- 2) Check the fly wheel before operation with the engine – it should move freely and without any resistance. If necessary, clean the axis and the mechanical parts with oil.
- 3) Fill the spirit burner with the content of the plastics bottle and place it on the designated notch on the ground plate, afterwards wait a little bit before igniting the wick of the spirit burner.
- 4) In less than a minute the engine will start when the fly wheel has been moved a little bit
- 5) Pay attention to the general safety instruction for working with an open flame.  
Let the engine cool down completely after its usage.

### Maintenance

The compilation includes a replacement for the seal, two replacement cylinders, a wex key and a plastic tube.

Remove the driving rods through loosening the clasp if the fly wheels, afterwards the cylinder can be pulled from the base plate with care.

To install the new cylinder,  
do the same steps in reverse order.

To fix the driving rods to the piston and the fly wheels, cut a part of the plastic tube to the proper shape and pull them over the bolt nut.

