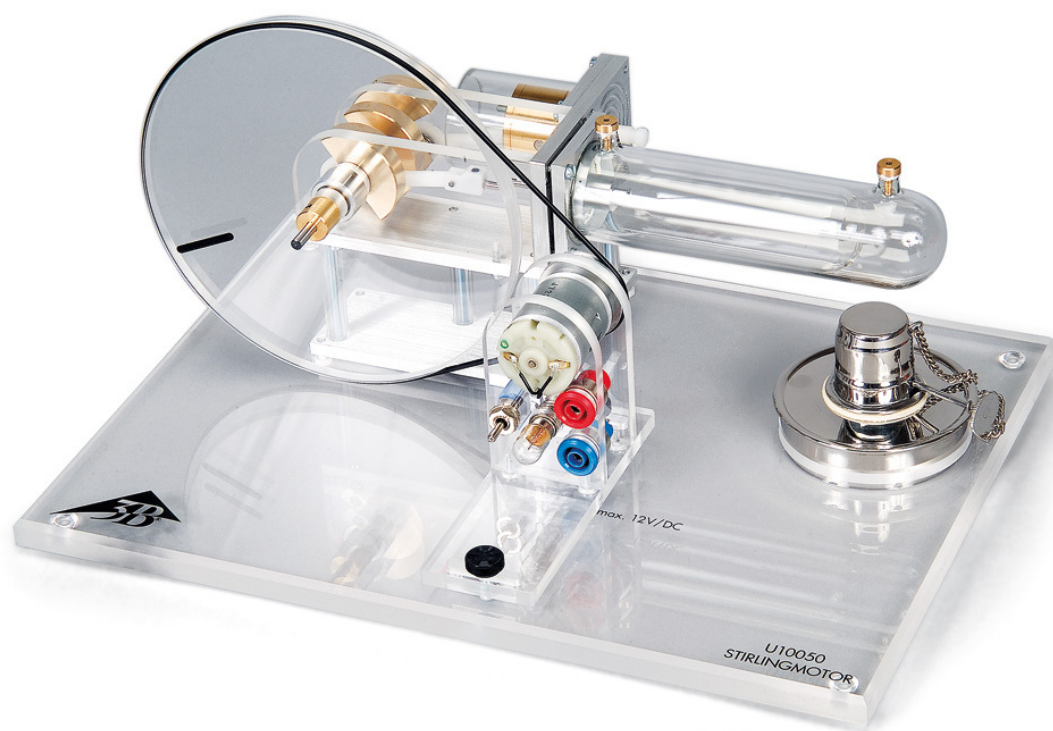


Transparent Stirling Engine

Order code: **5401.1002594**



Cena bez DPH

1.073,00 Eur

Price with VAT

1.298,33 Eur

Parameters

Quantitative unit

ks

The Transparent Stirling Engine is ideal for quantitative investigations of cyclic thermodynamic processes and specifically for understanding the Stirling cycle. The integrated generator has a two stage belt pulley and is equipped with a switchover option for operating an integrated lamp, external loads, or demonstrating the processes of a heat pump or refrigerator. Includes integrated engine generator and alcohol burner.

- Recessed temperature measurement sockets
- Light barrier on flywheel
- Connection for pressure measurements
- String to measure the stroke of the power piston and determine volume
- Displacement cylinder and piston made of heat resistant glass
- Power cylinder, flywheel, and gearbox covers made of acrylic glass

- **Power:** 1 – 4 W
- **Idling speed:** 1 000 rpm
- **Flywheel:** 140 mm dia.
- **Power cylinder:** 25 mm dia.
- **Stroke of the power piston:** 24 mm
- **Gas volume:** 32 cm³ – 44 cm³
- **Motor generator unit:** max. 12 V DC, 0,43 A
- **Belt pulley:** two stage (30 mm dia., 19 mm dia.)

Additionally recommended:

- 5401.U11323 Relative Pressure Sensor $\pm 1\,000$ hPa
- 5401.U11324 Holder for Relative Pressure Sensor
- 5401.U11371 Displacement Sensor
- 5401.U11372 Adaptor for Displacement Sensor

- 5401.U11310 3B NETlab™
- 5401.U11300230 3B NET log™ (230 V, 50 / 60 Hz)