

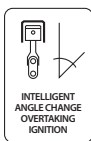
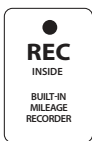
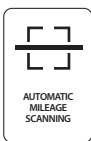
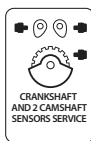
## ELECTRONICS

# TAPO



ver. 12.12.2024

## IGNITION TIMING VARIATOR



Available versions:

**ANALOG**
**DIGITAL**

- TAPO ANALOG variator for operating the inductive crankshaft sensor and two digital camshaft position sensors
- TAPO DIGITAL variator for operating a digital crankshaft sensor and two digital camshaft position sensors

The KME TAPO variator is a microprocessor device designed for both the most modern and older gasoline engines operating on LPG or CNG. The variator **changes the ignition timing to increase the efficiency of combustion of the fuel-air mixture and improve engine efficiency.**

Due to the higher octane number of LPG and CNG gas and the longer combustion time of the air-gas mixture, there is a need to adapt the ignition system by using the KME TAPO variator.

## BENEFITS

- Reduction of fuel consumption: LPG up to 10%, CNG up to 15%
- Increase in engine power: LPG up to 3%, CNG up to 15%
- Increased operational safety of older gas installations generation by reducing the risk of explosions return lines in the collector

## FUNCTIONS

- Designed for: LPG and CNG
- Support for the crankshaft sensor and 2 camshafts, including phase change timing
- Support for variable valve timing
- Automatic scanning of the mileage from the shaft sensor and shafts timing
- Possibility to connect TPS and MAP signals to increase calibration possibilities
- Built-in waveform recorder
- Innovative method of intelligently changing the lead angle ignition for the latest engines
- Service for cars of all engine generations
- Device developed for modern direct-drive engines (DI) and combined (DI+MPI) fuel injection
- Built-in mechanical relays to ensure correct operation work in the event of a failure
- It has galvanic isolation for all sensors, which ensures stable operation of the device

MPI

DPI

DI

DI + MPI

**LPG | CNG**

The TAPO electronics set includes:



- TAPO controller
- harness
- 1A fuse
- fuse socket



**TAPO SERVICE MODULE**  
is available in the offer.