

* IMAGE



Image of SENSOR KIT - 13 full set

✤ OVERVIEW

- SENSOR KIT-13 is a product of DTDAUTO Vietnam in 2013

- SENSOR KIT-13 designed used for vocational training of vehicle electronic fuel injection system

- SENSOR KIT-13 is a compact teaching trainer, flexible, efficient, appropriate research, training course on electricity and fuel. Very convenient for teaching in many places moved by personal motorcycle or cars

- Equipment building on real parts of the Toyota electronic fuel injection system with full function as "Input, ECU, Output"

- SENSOR KIT-13 manufactured in Vietnam, according to the standard equipment of the Vietnam vocational training.

✤ PURPOSE

Being teaching aids and educational tools teaching for teachers and trainees training schools vocational automobile:

- Understand all of components basic sensors on new OBD-II standard of Cars

- Understand principles and principles working of the sensors with electronic fuel injection system & ignition

- Understand, analysis the dependence between the INPUT (signal input sensors) and OUTPUT (signal control actuators) through ECU (electrical controller)

- Understand electrical wiring diagram of system, installation position structure actual event on the car *(according to accompanying documentation)*.

- Understand ways trouble diagnosis and repair by the different methods:

- + Replacing and excluding
- + Find fault position via analyzing on electrical wiring diagram
- + Find fault by intelligent diagnostic tools and other measurement equipment



OBD-II SENSOR KIT FOR TRAINNING

Model: SENSOR KIT-13 (Updated 22/05/2024)

♦ BASIC SPECIFICATION

A. The equipment

- Includes full sensor system used on OBD-II engine of Japan Toyota manufacturer

Sensors	ECM	Actuators
 - 01 Intake air sensor unit (THA, MAF) - 01 Engine temp. sensor (THW) - 01 Oxygen sensor (HO2S) - 01 Throttle position sensor (TPS) - 01 Knock sensor (KNK) - 01 Engine speed sensor (RPM) - 01 Cam shaft position sensor (G) - 04 Switch as AC, STA, STP, Power Steel Switch (PSS) 	01 ECM – Engine Control Module	 - 01 injector - 01 ignition coil, igniter, spark - 01 ISC valve - 01 Check Engine Light

- Installation KIT practices style for transported by hands. Sensors can work as Car with 12VDC power adaptor integrated inside.

- The connectors with electrical diagram principle allow learners and teachers test, check actual parameters (*Live data*) convenient.

- "PAN MAKER" able to create basic faults for learning and teaching: there are 02 options create fault by normal switches or setting on computer.

- The connector used exchange data with a computer or scanner
- Use measuring by Multi-meter and AutoScope (pulse measuring device)
- Use PC Diagnostic scanner (high serial data)

B. Document and software for training:

- Electronically pdf file support training with text, images, animation, animations for new ignition and electronic fuel injection systems. It is suitable for teaching with projector and multimedia training

- OBD-II software for read/ clear fault codes, show Engine Live data
- AutoScope software, PAN Maker software...

PACKAGE

- 01 OBD-II KIT sensors
- 01 full set of equipment for OBD-II Diagnosis
- 01 Multi-meter
- 01 full set of PC Auto Scope equipment for check automotive signal pulses
- 01 CD of DTD CODE software license used for: lookup fault codes, vocational training
- 01 English guidebook
- Some cable accessories

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