Engine Analyzer (Set)

FCAR F7S-W

Features:

- Based on Android system, equipped with WiFi and Bluetooth.
- Fast booth-up and multitasking.
- Powertrain, body, chassis and other systems.
- Fast scan
- Automatically identify vehicles and systems.
- One key update/recognition/feedback.
- Freeze frame data.
- Support multi language.
- Team Viewer remote supported.
- Diagram wiring, technical information, diagnostic solutions and maintenance services.
- Multimedia entertainment, instant messaging and data sharing.
- Extensive vehicle coverage: Over more than 80 Asian, American and European passenger cars, LCV, SUV, Van.
- Compatible with latest vehicle models.
- Support key coding/long coding.
- 14 kinds of powerful bidirectional special functions.

Technical Specifications:

Tablet CPU: Free scale Semiconductor (Quad-core), I.MX6Q, 1.83GHz
Operation System: Android 4.4.4
Screen Size: 10.1', 16:10, 1280*800 IPS
Storage Capacity: RAM: 2GB; ROM: 32GB
WIFI: WIFI 802.11(a/b/g/n), Frequency 2.4G+5.8G dual band WIFI
Bluetooth: BT4.0 (BLE) class1 transmission distance: 10m
Battery: Lithium-ion polymer battery, 3.7V/10000mAh
Operate Temperature: -10 °C to 50 °C/14 °F to 122 °F
Store Temperature: -30 °C to 70 °C/-4°F to 140 °F
Engine Video System on panel should be operated electrically
Luminous training panel with silk-screen Plexiglas front painted with different colors to better show the most important functions inside an internal combustion system.

The ignition, lubrication, car buretting, cooling and supercharging system (different colors) should be shown separately by some lamps flashing one after the other to give the movement impression.

Perfect operation of the panel should be got by means of an electric board

Automotive Sensors Trainer

This module enables the theoretical and practical study of the main sensors used in engine electronic control

Training Programs to be performed:

Air mass sensor.

Air temperature sensor

Throttle valve position sensor

Engine temperature (NTC and PTC) sensors

Sensor of manifold absolute pressure

Piezoelectric knock sensor

Electrical test

Troubleshooting

Technical Characteristics:

Two-colored schematic diagram with 5 LEDs for locating the tested components in the vehicle

Simulated air mass sensor, with test points of voltage corresponding to the engine running at 1000 to 4500 r.p.m.

Air temperature sensor with voltage test points in the range from -15°C to + 60°C.

Throttle valve sensor with test points and voltage varying versus the angular position of potentiometer

NTC and PTC temperature sensors with test points and process unit with:

selector for enabling the heating system and relevant warning light

Selector for starting the fan and relevant warning light

Temperature indicated on a 7-segment display

Air temperature and absolute pressure sensor with test points for analyzing the depression/ pressure from -1 to 1.5 bar

Piezoelectric knock sensor with test points for displaying the signal output in case of vibrations, on an oscilloscope

Interconnection and test points - Ø2 mm

Power Supply Unit:

Regulated voltage, electronically protected against short-circuits and overloads

Knob facility for selecting desired voltage

Output 1: 1.3Vdc ÷ 24Vdc, 1A

Output 2: 24Vac - 0 - 24Vac, 0.5A

Output 3: +5Vdc - 2A

Output 4: +12Vdc - 2A

Output 5: -12Vdc - 1A

Power source: 220~230V AC, 50Hz, 1 Phase

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