



# X6



# TECNOMOTOR®

## TABLET MODULE FOR INTEGRATED DIAGNOSTICS

Powered by TIS  
TECNOMOTOR INTEGRATED SYSTEM



easy <sup>DIAG</sup>  
easy <sup>SCOPE</sup>

# TIS WEB

Socio X6 CODE 0-67501651



COVERAGE for European vehicles as well as vehicles produced in Asia and the USA



## ONLINE\* WORKSHOP DATA



\* OPTIONAL

### THE ADVANTAGES OF A SINGLE TOOL

LCD-TFT 8" Touch Screen

2-channel oscilloscope

Boroscope

Bluetooth for remote connection

Integrated WiFi for communication internet

Integrated battery more than 3h of battery life

Galvanic isolation diagnostics - oscilloscope

NEW

Rear view camera

NEW

# TIS WEB

## POKAYOKE system

### IDEAL FOR THOSE WHO PREFER TO WORK WITHOUT A PC

- Based on Linux, Intel, Nokia and SQL technology
- Wiring diagrams and technical database
- 16bit multimeter with voltage and resistance measurement
- **Automatic ECU search**
- Control unit search from engine code

- POKAYOKE functions
- Combined test
- Road Test
- Flight recorder
- **Evolved Scan-Error function (DTC):** Automatic error search on vehicles

### SOCIO X6 CARRYING CASE

- EOBD cable for vehicle connection
- 2.5m EOBD cable extension
- Power supply
- Power supply cable from vehicle battery
- 2 cables, 2.5m long for oscilloscope/multimeter signal acquisition
- Basic voltage signals pick-up kit
- Bluetooth module for PC
- CdRom with PC SW
- Installation manual



Made in Italy

Azienda con sistema di gestione per la qualità certificato da BV UNI EN ISO 9001:2008



# NO TRICKS ONLY CUTTING EDGE TECHNOLOGY



## TECHNICAL FEATURES

- **Degree of protection:** IP54 protection - anti-shock with integrated stamped rubber
- **Power supply:** from 8 to 40 V
- **LCD-TFT 1024x768 Display:** size 8", Touch screen 1000 cd/m<sup>2</sup> (vertical and horizontal - Touch Screen)
- **Processor:** iMX6 dual core 1000 MHz.
- **Ram:** 1GB DDR3
- **Removable SD CARD:** 16 GB or higher
- 2 internal Lithium battery packs, rechargeable from diagnostic socket.
- **More than 3 hours** of battery life without connecting to diagnostic socket
- **Integrated WiFi for communication internet and software update.**
- **Integrated Bluetooth** for wireless communication with class 1 external devices – 300m
- **Report printing:** through USB key mass storage or BT through PC
- **Rear camera: 5 Megapixel**
- **Expansions:** 1 USB ports, 1 Mini USB ports, borescope.
- **ECU communication:** Microcontroller for real-time communication with control units: Fujitsu MB96F543, Altera EPM77128SQ Coprocessor
- **128 KB RAM** for hardware real-time communication with vehicle's control units
- **Integrated Electronic Multiplex.** Completely automatic.
- **Protocols supported:** Pulse code, KL-ISO9141, K-ISO14230, J1850VPW, J18050PWM, CAN low/high speed, RS485, ISO 15765, SAE J2610, SO11992, SAE J2740, SAE J2411, SAE J1939, ISO 11992, J2534-2 PASS-THROUGH conforme.
- Operating temperature: 0°/+50°C

## SCOPE/MULTIMETER

- Channels: 2
- Sampling speed: 100MS/s
- Input bandwidth: 10MHz
- **Oscilloscope internal RAM for the buffer scope:** 64MByte
- Vertical resolution: 13 bit (hardware)
- Voltage scales: 100mV/div - 10s/div
- Time scale: 200ns/div - 10s/div
- Vertical scale resolution: 16bit
- Accuracy + 50 mV
- Resistance: 0-50kohm

## MAXIMUM EASE

Among the other innovative features of Socio 600, we should mention those acquired through the introduction of a SQL database: **automatic research of control units**. Just select the vehicle manufacturer, the system to be diagnosed and the year of the vehicle. The software scans the vehicle to search for compatible control units for the system, searches control units by engine code, beyond the traditional vehicle error scanning.



**REAR CAMERA with 5-Megapixel resolution allows capturing high-resolution images of the engine components, of their location or of vehicle parts.**

## MAIN FUNCTIONS

- > **2 channel oscilloscope** with 25 MS/s per channel provides the ability to correctly analyse the fastest signals present on the vehicle (CAN) and at the same time keep the 2 channels for the traditional primary and secondary analysis.
- > **The double lithium battery** ensures a perfect functionality for a few hours in absence of an external power source.
- > **The wireless connection** allows checking diagnostic and oscilloscope capabilities also from an external PC.
- > **The robustness of the instrument** is guaranteed by a rubber moulding that can protect it against accidental drops or from any external agent (grease, oil, etc.) with a IP54 degree of protection.
- > **The borescope is a unique feature** of the instrument and makes it possible to display the most hidden corners of the vehicle. Thanks to the illuminator on the head and its small size (less than 5 mm in diameter) the borescope reaches easily the most confined spaces and shows video images preventing the need to disassemble any part in order to properly see the status of the component.
- > **PC software** to use the model for data acquisition and display the data on the PC, using Bluetooth communication. This function is very convenient if you want to display the data remotely to a third party.
- > **Serial diagnosis complete** with a measurement module (oscilloscope - multimeter) with a simultaneous display on the instrument, allowing the operator to work easily and without the need for an additional tool, since everything he needs is already integrated.
- > **Horizontal and vertical software visualization:** you can manage the automatic screen rotation in 4 directions optimizing the visualization; You can enable/disable the automatic rotation by configuring the System settings. This way the operator can set the instrument according to operational needs.
- > **Printing options:** Through the dedicated icon, you can run prints reproducing what's on the display and you can save the images on any USB key and offer them to your customers for greater transparency of the repair service.



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## TECNOMOTOR INTEGRATED SYSTEM

A PLATFORM WITH THE GOAL OF MAKING WORK EASIER, OFFERING A SERIES OF "GUIDES AND PATHS" THAT ARE DIFFERENTIATED DEPENDING ON THE TYPE OF DEFECTS DISCOVERED IN THE WORKSHOP, MAKING REPAIR AND MAINTENANCE PRECISE AND ACCURATE.



By selecting a specific component, the system makes it possible to automatically set the time base and the magnitude of the analogue or digital signal of the oscilloscope/multimeter. This simplifies the electric analysis of sensors and actuators.

A guided interactive manual aids in coding, adjustments and activations. Created complex procedures combine the information provided by the manufacturer and the correct interpretation of the data arriving from the control unit.



### TIS WEB

ONLINE WORKSHOP TECHNICAL DATA FROM YOUR INSTRUMENT



**EVERYTHING IS DESIGNED TO SAVE TIME AND QUICKLY ACCESS THE INFORMATION**



**Simple Accurate Safe Specific Integrated**

**DECIDE WHAT TO DO. WE TAKE CARE OF HOW TO GO ABOUT IT.**

**The Pokayoke system was created to manage the vehicle's electronics in the simplest way possible. In particular, for all categories of inexperienced and electronics related after-sales.**

### DIAGNOSABLE EQUIPMENT

**Diagnosable equipment** ABS/traction control/ESP, airbag, parking assistance, alarm, car stereo, body computer service reset, central locking, climate control, immobilizer card encoding, key encoding, remote control encoding, comfort/alarm, passenger compartment control, diesel fuel additive control, steering angle control, alignment/suspension control, headlight control, door control, seat control, traction control, dashboard/immobilizer, tire control diagnostics, 4-wheel drive electronics, transmission electronics, front centre electronics, rear centre electronics, clutch electronics, gear shift electronics, engine electronics, steering wheel electronics, suspension electronics, transmission electronics, parking brake, immobilizer, right and left light modulation, emergency call module, navigator, pre-supply pump, instrument panel, light beam width adjustment, distance adjustment, level adjustment, seats/mirror regulation, CAN network, battery recharging, power/electric steering, rear spoiler sound-system, on-board instrumentation, TPMS, roof control unit etc., engine electronics, immobilizer, hands free, service reset, belt service, TPMS, TPS reset, robotic transmission, on-board instrumentation, traction control, suspensions.





# X6



**ONLINE\***  
WORKSHOP DATA

## TIS WEB



**LICENSES**



CODE 6011501011



### ACCESSORIES



**A**



**B**



**C**



**D**



**E**



**F**

**A > 6011000051** Complete voltage signal acquisition kit

**B > 6011000052** Fuse current measurement test kit with amperometric clamp

**C > 6011000053** Breakout cable kit

**D > 6011000045** Vehicle hook

**E > 6011000050** Endoscope

**F > 6011000025** Basic



**Carrying case with European vehicle cables** code 6011000300



**Carrying case with Asian vehicle cables** code 6011000305

**Carrying case with Truck cables basic** code 6011000320

**Cable carrying case Trailers** code 6011000321

**Carrying case with motorcycle cables** code 6011000312



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The company reserves the right to modify the product features at any time.

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