

SOCiO 400

TECNOMOTOR
THE MOST ADVANCED DIAGNOSTICS DEVICE

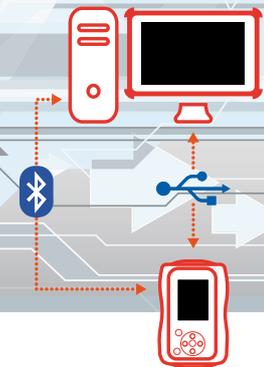
Powered by TIS
TECNOMOTOR INTEGRATED SYSTEM



easy **DIAG**
easy **SCOPE**



SOCiO
COLLECTION



Socio 400 Code 0-67501400

COVERAGE FOR EUROPEAN VEHICLES AS WELL AS
VEHICLES PRODUCED IN ASIA AND THE USA

PC SOLUTION FOR INTEGRATED DIAGNOSTICS

- TIS: with **EasyDiag, EasyScope** functions.
- POKAYOKE functions.
- **64MB oscilloscope** function.
- 16bit multimeter with voltage and resistance measurement.
- Wiring diagrams and technical database.
- **Automatic ECU search.**
- Buffer Scope.
- Road Test.
- **Combined flight recorder.**
- Evolved Scan-Error function: **Automatic error search on vehicles.**

SOCIO 400 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.



ONLINE *
WORKSHOP DATA

TIS WEB // // // // //

* OPTIONAL

SIMPLY THE TOP

- ▶ Integrated 2.5" LDC TFT and keypad for quick tests
- ▶ 2-channel oscilloscope
- ▶ Automatic error search and control unit auto search
- ▶ Integrated shock protection
- ▶ Integrated battery more than 1h 40 of battery life
- ▶ Galvanic isolation diagnostics - oscilloscope
- ▶ **TIS WEB** // // // // //
- ▶ **POKAYOKE** system



Made in Italy

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



NO COMPROMISE SIMPLY THE TOP



TECHNICAL FEATURES

- **Dimensions:** 38x99x149mm
- **Weight:** 500g
- **Degree of protection:** IP54
- **Protection:** anti-shock with integrated stamped rubber
- **Operating temperature:** 0 /+50°C
- **LCD:** 320x240 TFT 300cd/m2 - 2.5"
- **Keypad:** 6 push-buttons
- **Power supply:** 8-40V from EOBD, USB and power supply connector
- **Current absorption:** 250mA @ 12V
- **Battery:** internal rechargeable lithium 1000mA/h (>1h40m)
- **Internal memory:** 1GB (flight recorder memory)
- **USB port**
- Galvanic isolation between self-diagnostics and oscilloscope
- Protocols supported: Blink code, CAN ISO 11898, ISO 15765-4, K-L, ISO 9141-2, ISO 14230, SAE J1850 PWM, SAE J1850 VPW, ISO 11519-2, SAE J1708, SAE J2411, SAE J1939, RS485, SCI, CCD
- Full EOBD 2 electronic multiplexer
- Oscilloscope
- 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
- Multimeter
- Vertical scale resolution: 16bit
- Accuracy +- 50 mV
- Resistance: 0-50kohm



Oscilloscope connectors, power supply and USB



Control unit serial diagnostics connector

Integrated diagnostics PC module

Ideal for those who use diagnostics on a PC or official repairers who can combine a high performance oscilloscope for the electric diagnostics of the vehicles belonging to their network with the serial diagnostics of multi-brand vehicles.

MAIN FUNCTIONS

> Buffer Scope & Zoom

Thanks to the sampling frequency of 100MS/s and its 13 bits of resolution, the integrated oscilloscope is at the forefront of automotive technology. Combined with the 64MB RAM buffer for data storage, wireless transmission, internal battery for operating without power and LCD for stand-alone data display and the extremely small size makes it the reference product for its market.

> 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.

> Storage in electronic format of: buffer scopes, waveforms, serial data acquired from the control unit, so they can be reviewed later or sent to a specialist for a consultation or to create your own database of reference values.

> PC software to use the model for data acquisition and display the data on the PC. This function is very convenient if you want to display the data remotely to a third party.

> The unit can be used as a hand-held device for fast verifications, without having to connect it to the PC and wait for it to turn on. Using the instrument keypad and LCD, it is possible to:

- measure the voltage with a multimeter
- measure the resistance with a multimeter

> It is possible to print the report from any function of the software, as your own reminder or for consulting with a specialist, but also as a diagnostics and repair report for your client.

> Galvanic isolation

To avoid "ground loops" and short-circuits between serial diagnostics and the oscilloscope, a galvanic separation was designed between these two modules to prevent device failure or vehicle damage.



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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.



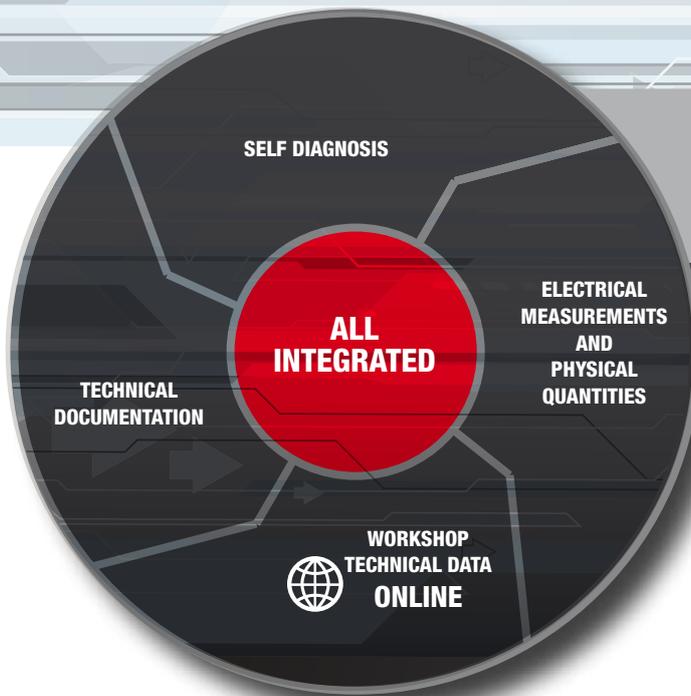
By selecting a specific component, the system makes it possible to automatically set the time base and the magnitude of the analogue or digital signal of the oscilloscope/multimeter. This simplifies the electric analysis of sensors and actuators.

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.

NEW

TIS WEB

ONLINE WORKSHOP TECHNICAL DATA FROM YOUR INSTRUMENT



EVERYTHING IS DESIGNED TO SAVE TIME AND QUICKLY ACCESS THE INFORMATION

pokayoke
system

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 BRANDS AND 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.



400



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TISWEB



LICENSES



Cod. 6011501011



ACCESSORIES



- A > 6011000049** Amperometric clamp 20/60A
- B > 6011000055** Amperometric clamp 600A
- C > 6011000051** Complete voltage signal acquisition kit
- D > 6011000052** Fuse current measurement test kit with amperometric clamp
- E > 6011000053** Breakout cable kit
- F > 6011000054** Coil signal acquisition kit
- G > 6011000048** Dampers 20:1
- H > 6011000047** Vehicle hook
- I > 8-62100017** Tablet Win10 10"



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. by Marketing - Cod. DPTCM000094C - 09/2020.