



BIKE SOLUTIONS

TEXA

CONTENTS



Diagnostics

page 4



Emissions diagnostics

page 20

Over the years, TEXA has acquired an enviable reputation for the quality and reliability of its products and has signed important agreements with leading motorcycle brands like Ducati, MV Agusta, Benelli, Keeway, and Sym Italy. No other manufacturer of bike diagnostic tools partners so many prestigious motorcycle constructors.



The worldwide diagnostics specialists

For twenty years now TEXA has been synonymous with automotive diagnostics all over world, with products covering electronic and electrical diagnostics, exhaust gas emissions control and vehicle air-conditioning diagnostics and recharging. TEXA has progressively developed an extraordinary worldwide network, with around 700 distributors operating in almost 100 countries.

Complete and modular offering

TEXA offers automotive technicians complete support during all stages of vehicle repairs: from analysis of fault symptoms, to identification of the right spare part. TEXA guarantees an unrivalled offering of tools and services that meet all customer requirements:



Autodiagnostics tools, on-board diagnostics, electrical diagnostics, emissions diagnostics, air-conditioning system diagnostics and maintenance.



Operating software that's always updated with vast databases of diagnostics, technical and service information.



Customer service through call centers, online repair support and an extensive database of solutions.



Specialist training through courses for automotive technicians and students of professional and technical training institutes.

Just one display tool can be used to manage all types of diagnostics operations, on-board diagnostics, electrical diagnostics, emissions diagnostics and air-conditioning diagnostics. That's not all: with the introduction of "Apps", additional services can be made available for immediate access to exclusive functions, ensuring a unique vehicle servicing experience.

Diagnostics solutions



**A highly efficient
professional partner,
an essential workmate.**

TEXA provides diagnostics solutions for five different sectors: CAR, TRUCK, BIKE, OFF-HIGHWAY (AGRI and CONSTRUCTION) and MARINE, and within each of these offers unrivalled coverage of makes and models, ranging from European to Asian and US vehicles, managed by a worldwide development team.

TEXA's brand new motorcycle diagnostic software, IDC4 BIKE, already excels for its vast coverage of makes and models. TEXA is also committed to the continuous development of new diagnostic systems on the basis of feedback from motorcycle repair workshops. IDC4 BIKE offers bike mechanics a full range of diagnostic resources as well as a database of interactive electrical wiring diagrams, system data sheets, detailed component data sheets and technical bulletins. IDC4 software combined with "SOLVED PROBLEMS" function powered by Google lets you carry out repairs rapidly and according to the correct procedure. TEXA's troubleshooting database contains solutions found by mechanics all over the world and collected by TEXA's international call centres. Access to it is both quick and easy.

IDC4 VEHICLE COVERAGE

BIKES

APRILIA
BENELLI
BIMOTA
BMW
BOOM TRIKE
BUELL
CAGIVA
DAELIM MOTOR
DUCATI
GAS GAS
GG TECHNIK
HARLEY-DAVIDSON
HONDA
HONDA MONTESA
HUSABERG
HUSQVARNA
HYOSUNG
KASINSKI
KAWASAKI
KEEWAY

KTM
KYMCO
LAVERDA
MONDIAL
MOTO GUZZI
MOTO MORINI
MV AGUSTA
QUADRO
ROYAL ENFIELD
SHERCO
SUZUKI
SYM
TRIUMPH
VICTORY
VOXAN
YAMAHA

SCOOTERS

ADIVA
APRILIA
BMW
DAELIM MOTOR
DERBI
GILERA
HONDA
HYOSUNG
KAWASAKI
KEEWAY
KYMCO
MALAGUTI
PEUGEOT
PIAGGIO
SUZUKI
SYM
TGB
VESPA
YAMAHA

ATV - QUAD

ARTIC CAT
CAN-AM (BRP)
GAS GAS
GG TECHNIK
HONDA
KAWASAKI
KVN MOTORS
POLARIS

JET SKIS

HONDA MARINE
KAWASAKI MARINE
SEA-DOO (BRP)
YAMAHA MARINE

SNOWMOBILES

ARTIC CAT
LYNX (BRP)
SKI-DOO (BRP)
YAMAHA

UTILITY VEHICLES

HONDA
PIAGGIO V.C.
POLARIS RANGER
POLARIS DEFENCE

PUMPS

ROSENBAUER

MINICAR

GRECAV

Total coverage, extraordinary functions



Alarm



Errors



Service system



Parameter



Ignition



Status



Injection



Settings



Throttle bodies adjustment



Self-diagnosis help



Injection adjustment



Wiring diagrams



BBS



Recording of the diagnosis session (Rec & Play)



BMS



Component location



CIP – Configurazioni Speciali



Global SCAN



Electronic key



ECU Info



Hands Free



Tools and utility programs



Immobilizer



Printouts



CAN line



Database and log of customers/works



Global error search



Spare parts management



and many other...



and many other...

"SOLVED PROBLEMS" powered by Google*

This extraordinary function on IDC4 allows automotive technicians, via an internet connection and exploiting Google search technology, to access the TEXA troubleshooting database, containing solutions found by technicians all over the world and collected by TEXA's international call centres. The procedure is very simple and intuitive: once having selected the vehicle being serviced, the technician can send a request by typing in a description of the problem, then receiving the solution in just a few seconds.

* Optional



Exclusive functions to AXONE 4 and IDC4 PREMIUM

Exclusive to **AXONE 4**, the software comes with important new features that provide concrete support for the everyday work of automotive technicians. IDC4 PREMIUM has updated and very user-friendly graphics, with the menu divided into five scrolling screens for direct access (**Diagnostics, Data, Measurements, myTEXA APP, Settings**).



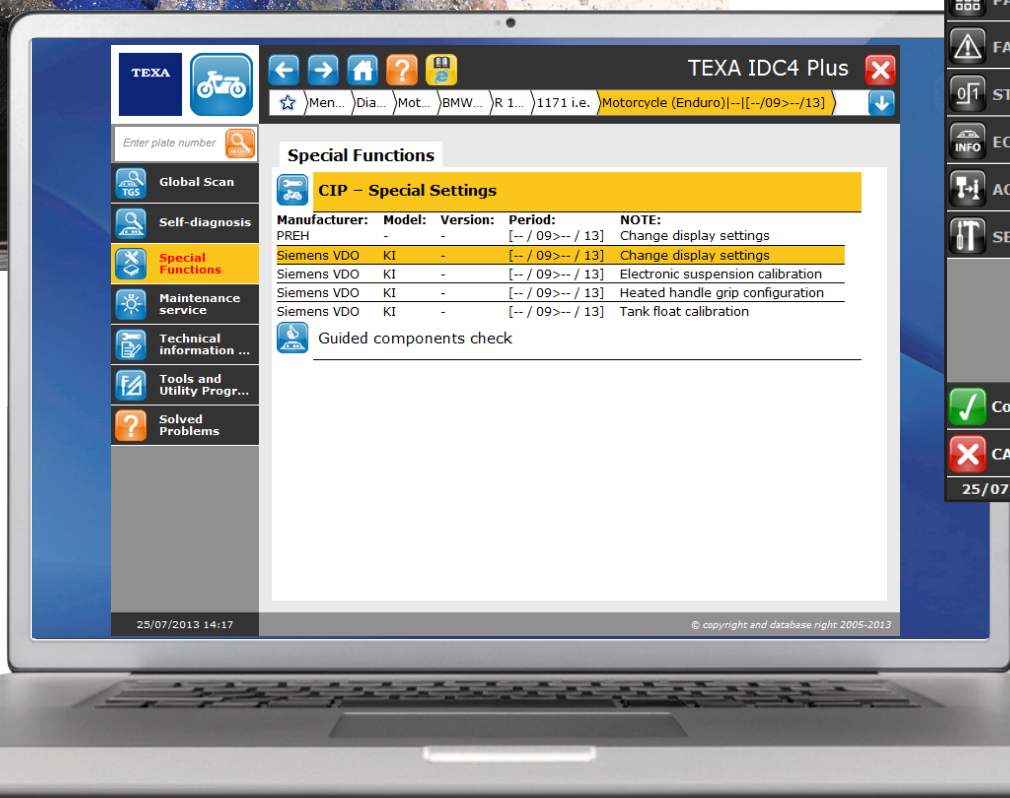
Using the **"Remote Assistance"** function, when needed TEXA personnel can establish a remote connection to the tool and see exactly what is happening with the customer's vehicle.

Special IDC4 configurations

In addition to extremely thorough diagnostics, TEXA also offers customers a number of special functions and configurations. These include **Global Scan**, which scans the entire vehicle for ECUs, reads their contents and detects any recorded errors. Global Scan currently covers the **Ducati**, **BMW** and **Harley Davidson** brands.

TEXA has also introduced **CIP functions** for BMW to activate heated grips, and to change display settings, with special reference to:

- ECU date and time;
- clock format;
- selection of kilometres or miles;
- selection of temperature in °C or °F;
- fuel tank float calibration.



Sample BMW display settings



ECU INFO

Summary of display settings

sis

SETTINGS

TEXA

TGS

Global Scan

HARLEY-DAVIDSON\1584 i.e.(Twin Cam 96)\Moto...

Scan

Self-diagnosis

Confirm

CANCEL

25/07/2013 14:17

A	System	B	VIN
	Injection control unit [--/11>]	41000006	5HD1GX4C9CC308226
	ABS control unit [--/11>]	48342-12	5HD1GX4C9CC308226
	Instrumentation control unit [--/11>]	67479-12	5HD1GX4C9CC308226
	Chassis electronic control unit [--/11>]	69994-12	
	Left handle grip control unit [--/11>]	71500074	
	Right handle grip control unit [--/11>]	71500073	
	Instrument panel control unit [--/11>]	67479-12	

LEGEND:

A = System present/absent, with/without errors

B = Control unit part number

Select a system and click on Diagnosis for direct access to the selected system

Harley Davidson parameter functions

TEXA

TGS

Global Scan

DUCATI\1199 Panigale\1198 i.e.\Motorcycle (Road)\---

Scan

Self-diagnosis

Confirm

CANCEL

25/07/2013 13:36

A	System	B	C	D	VIN
	Injection control unit MELCO [01/12>]	C	C	5	ZDMH800ABBB000026
	BBS control unit SELCO [01/12>06/12]			16	ZDMH800ABBB000026
	Instrumentation control unit CoBo [01/12>]	A	A	16	ZDMH800ABBB000026
	E-Lock control unit ZADI [01/12>]	A	A	6	
	ABS control unit Bosch [01/12>]	A	A	19	

LEGEND:

A = System present/absent, with/without faults

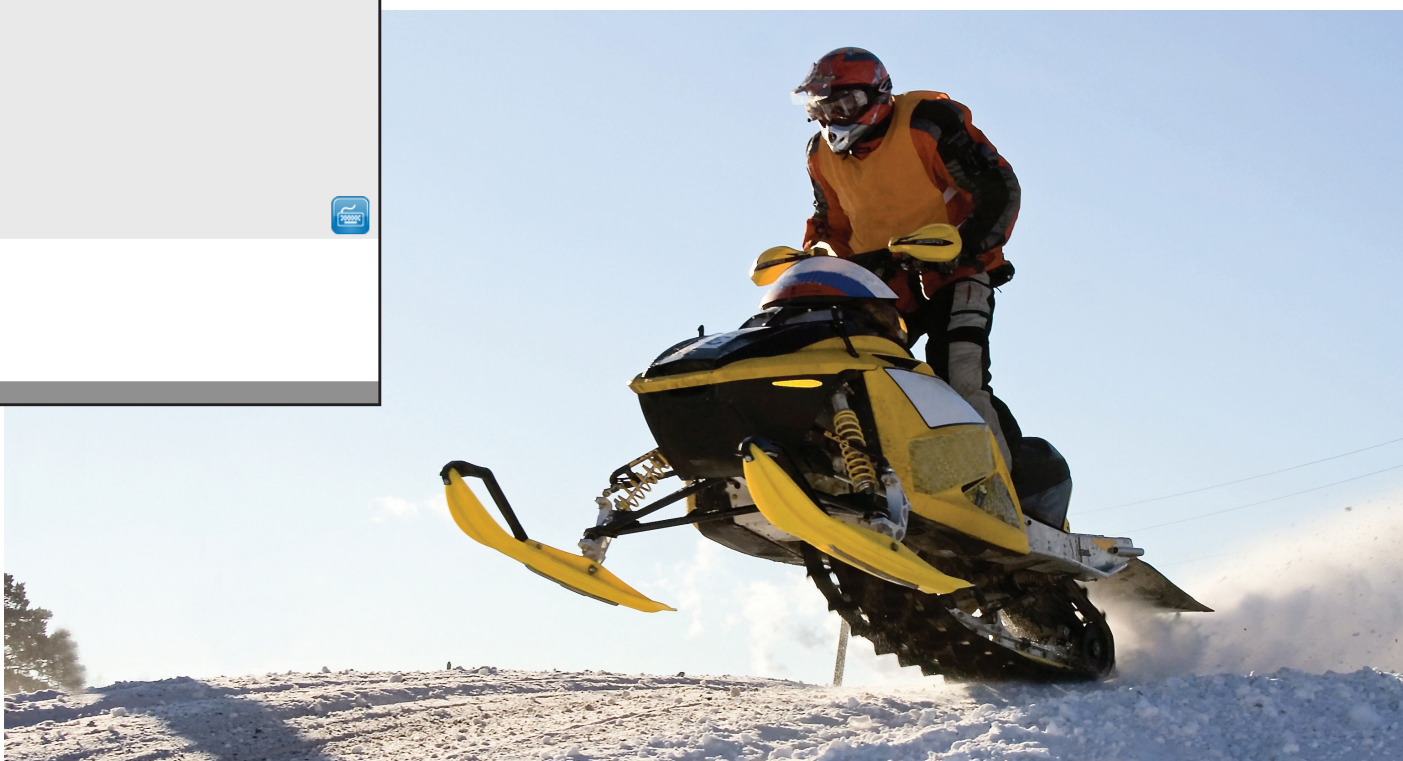
B = Software compatibility

C = Software compatibility expected

D = Software version

Select a system and click on Diagnosis for direct access to the selected system

Ducati Global Scan



The App concept*

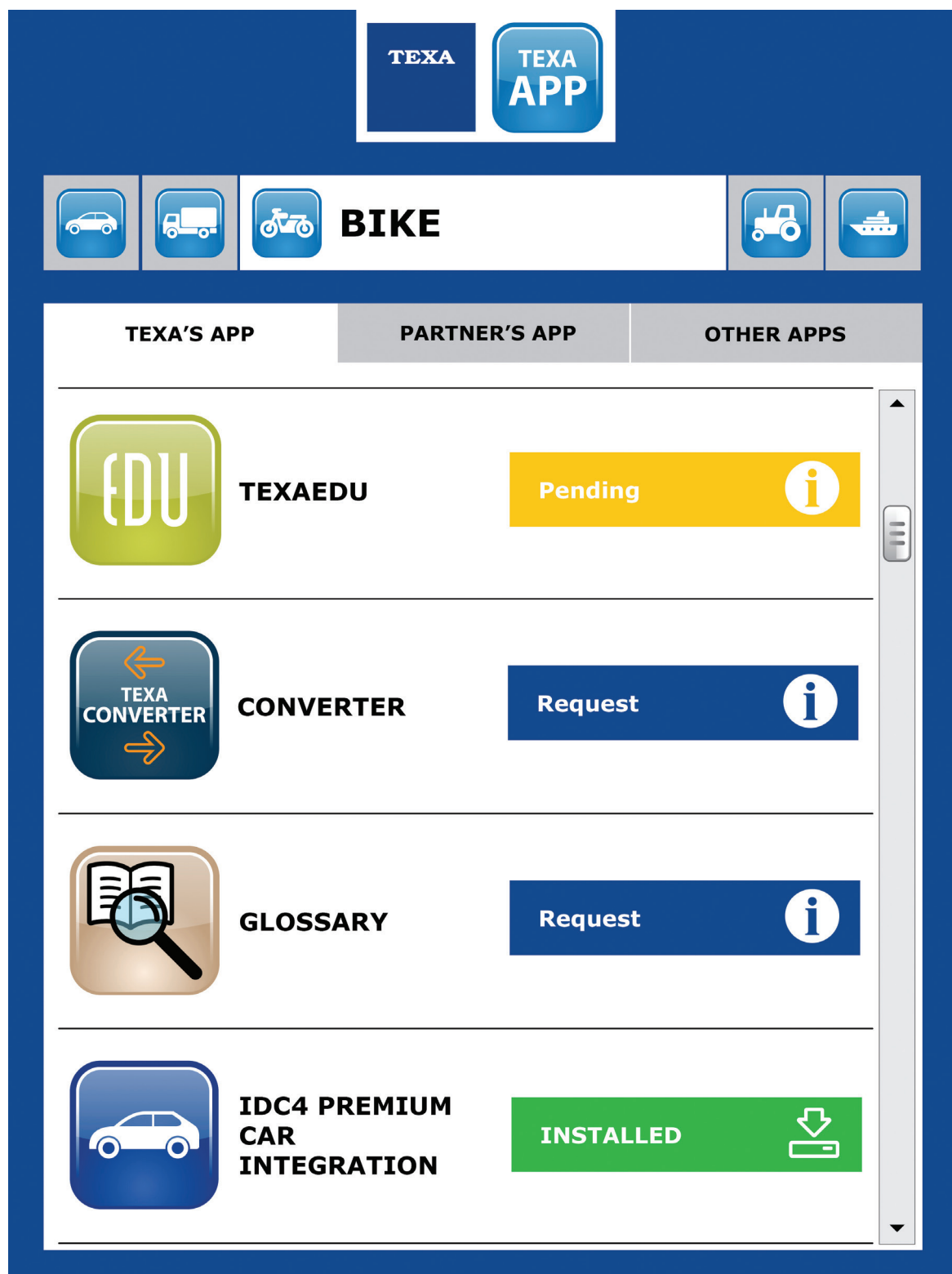
Electronics are becoming increasingly common on modern vehicles, spreading to components that not so long ago were simply mechanical. This has created a situation in which new requirements arise due to diversification of the services offered by automotive technicians and the evolution of customer vehicle fleets.

As a consequence, automotive technicians need to carry out a much vaster range of procedures, making it harder to choose the best diagnostics tools and subscription services for their workshop. To meet these new requirements, TEXA not only provides traditional subscriptions and upgrade options, but also an innovative diagnostic "App" concept, inspired by the world of consumer electronics.



From the IDC4 main menu, customers can now access the TEXA APP, offering a list of Apps available: functions that are not available for the customer's profile are identified by a darker icon.

To order any of these Apps, customers can simply click the icon, opening a simple and user-friendly procedure to order the App from the reseller and install it on their tool.



As well as functions available on payment, free applications will also be provided, either by TEXA directly or its partners. TEXA has introduced this new concept as a way of offering automotive technicians the possibility to develop a modular tool that reflects their professional development, implementing new functions and upgrades at any time.

* Check the availability of TEXA Apps for your tool.

Multibrand diagnostics

AXONE S



AXONE S (which comes complete with a Navigator nano S vehicle interface) is TEXA's new solution for motorcycle mechanics. Though compact and lightweight, the entry level AXONE S is extremely robust and able to provide mechanics with highly effective support in their daily work.

AXONE S incorporates exceptional diagnostic functionalities based, for the first time, on the Android™ operating system. The most popular operating system for mobile devices, Android™ guarantees exceptional usability and offers a truly intuitive menu navigation experience thanks to the 5 inch LCD-TFT capacitive touch screen with a resolution of 480x800.

At the heart of the AXONE S is IDC4a, TEXA's unique application software that provides essential vehicle diagnostics and repair functions.

IDC4a software gives you direct access to all basic functions: PARAMETERS, ERRORS, STATES, ECU INFO, ACTIVATIONS and SETTINGS. It also lets you switch from one function to another with a simple touch of the screen. The selections you enter during the course of your work are stored in memory and remain readily available thanks to practical widgets on the home page.

COMPATIBLE DIAGNOSIS PRODUCTS



NAVIGATOR
NANO S



TPS KEY



Multibrand diagnostics

AXONE 4 Mini



The AXONE 4 Mini is a compact diagnostic tool that incorporates most of the extraordinary functions that have made the AXONE 4 tablet such a success.

Its refined styling is centred on a generous 7 inch resistive touch screen offering a record resolution of 800x1280. Its Cortex A8 processor is amazingly fast and completes tasks in only half the time taken by the previous generation of tools.

Thanks to its particularly robust build, mechanics will enjoy using the AXONE 4 Mini for many years to come and keeping abreast of the latest developments in vehicle electronics.

The dedicated IDC4 PM software ensures superb usability based on swipe screens as used by today's most popular consumer electronic products. Navigating through the various diagnostic functions has never been so easy and intuitive. A Bluetooth module ensures easy communication with TEXA interfaces while a Wi-Fi card provides internet connectivity. As with all TEXA products, the AXONE 4 Mini is extremely robust, as proven by its homologation to military standard 810F and its IP42 protection rating. In short, the AXONE 4 Mini is a tough and practical tool for challenging workshop environments, with the added benefit of a protected operating system.

COMPATIBLE DIAGNOSIS PRODUCTS

								
NAVIGATOR NANO S	NAVIGATOR TXBS	TWINPROBE	UNIPROBE	GASBOX	OPABOX	RC3	RC2	TPS KEY



Multibrand diagnostics

AXONE 4



AXONE 4 is TEXA's most advanced display unit with a mobile, touch-screen interface and exceptional specifications: Intel Atom processor, 32 GB solid state HDU, 9.7" TFT-LCD display with 1024x768 resolution, and VGA camera with CMOS sensor. AXONE 4 is also impact and fall resistant, waterproof and dustproof. It can connect to your workshop's network over a Wi-Fi link to download the latest database updates, or use a smartphone to connect to the internet if you are away from the workshop. AXONE 4 even has a remote assistance function to allow TEXA's experts to connect remotely and see exactly what is happening. A DUAL MODE function lets you connect temporarily to two different interfaces, so that you can run autodiagnosics on one component while monitoring the signal of another on the oscilloscope, for example.

AXONE 4 communicates with all TEXA diagnostic interfaces via Bluetooth.



AXONE 4 classic Docking Station for TEXA bench or trolley



Handle



Adjustable support, to be used with classic Docking Stations for DIAG STATION, ECO STATION and Economy trolleys



DVD drive for AXONE 4



Cover



Bag



Tool case

EXCLUSIVE FOR AXONE 4

IDC4 PREMIUM software with special functions for faster access to the desired applications.

COMPATIBLE DIAGNOSIS PRODUCTS

					
NAVIGATOR NANO S	NAVIGATOR TXBS	TWINPROBE	UNIPROBE	GASBOX	TPS KEY

Multibrand diagnostics

NAVIGATOR TXBs



NAVIGATOR TXBs is the latest generation vehicle interface developed by TEXA for use in the motorcycle and marine diagnosis environments. This advanced tool is the natural successor to the NAVIGATOR TXM and NAVIGATOR TXB and allows mechanics to work on bikes, scooters, quads, jetskis, outboard and inboard engines with the utmost professionalism.

NAVIGATOR TXBs connects directly to the diagnostic socket and dialogues with your workshop's Windows PC over a Bluetooth wireless link. Older computers without Bluetooth connectivity can still dialogue with NAVIGATOR TXBs via its USB port. NAVIGATOR TXBs also communicates with the AXONE 4 and AXONE 4 Mini diagnostic tools.

An integrated 16 pin CPC connector permits use of all MARINE and BIKE diagnostic cables, including those of older solutions, while advanced hardware characteristics ensure compatibility with all the protocols currently in use in both environments.

NAVIGATOR TXBs can perform a wide range of essential tasks including: autodiagnosis for error reading and cancellation, display of engineering parameters and ECU states, device activations, settings and configurations, warning light resets, ECU configuration, carburation and injection timing settings, and even key programming. NAVIGATOR TXBs can also reprogram control units on models made by manufacturers to whom TEXA is an official supplier.

COMPATIBILITY

		
AXONE 4 MINI	AXONE 4	PC WINDOWS

Electrical diagnostics

TwinProbe



TwinProbe is the TEXA tool for acquiring the analogue and digital measurements needed for all conventional diagnostic testing. It comes at a lower price than UNIProbe, its "big brother", however both share in common outstanding practicality and precision for all automotive service operations. It communicates with all TEXA display units or a Windows PC, either via a USB connection or over a Bluetooth wireless link. The tool can be managed by the IDC4 operating software, or MSS (Measurement System Software) when used on a PC.

TwinProbe includes:

- Oscilloscope: two independent analogue channels, with inputs up to $\pm 200V$, complete with SIV function for interpreting the measured signal.
- Signal generator: for simulating the pulses generated by sensors and the commands generated by control units and for testing solenoid valves, for example.
- Ammeter: for measuring electric current intensity. A BICOR clamp-on ammeter is needed to allow TwinProbe to run these tests.

COMPATIBILITY

		
AXONE 4 MINI	AXONE 4	WINDOWS PC

Electrical diagnostics

UNIProbe



UNIProbe is a device for acquiring the analogue and digital measurements needed for all conventional diagnostic testing. It communicates with all TEXA display units or a Windows PC, either via a USB connection or over a Bluetooth wireless link. An internal lithium battery guarantees excellent autonomy. The tool can be managed by the IDC4 operating software, or MSS (Measurement System Software) when used on a PC.

Incorporates six different tools in the one unit:

- Oscilloscope: four independent analogue channels, complete with SIV function for interpreting the measured signal.
- Battery Probe: for testing the battery, as well as analysing and checking the entire starting and charging system.
- TNET: for measurement and electrical analysis of CAN automotive communication networks.
- Signal generator: for simulating the pulses generated by sensors and the commands generated by control units and for testing solenoid valves, for example.
- Multimeter: for voltage, resistance and current measurements (using a clamp-on ammeter).
- Pressure tester: for checking fuel supply and turbocharger pressure on all vehicles.

COMPATIBILITY

		
AXONE 4 MINI	AXONE 4	WINDOWS PC

Measurement TTC



ENGINEERED TO DUCATI SPECIFICATIONS

TTC is a special tool for checking the tension of engine cam belts, developed to Ducati's own specifications. TTC measures belt tension by means of a highly sensitive microphone that allows the belt's resonant frequency to be analysed. It requires no cables and is self-powered by rechargeable batteries (battery charger supplied). TTC does not need to be connected to any other tool as it displays results directly on its own screen. Compact and lightweight, TTC combines advanced technology with a uniquely convenient and practical design that lets you check and adjust cam belt tension accurately and professionally.

GASBOX Autopower



GASBOX Autopower is TEXA's exhaust gas analyser for petrol engines, and comes with a practical trolley for easy movement around the workshop.

GASBOX Autopower can be plugged into any standard mains power socket or powered by Power Pack, with a practical battery unit that can be removed and recharged separately. This clever solution means that you can always have one or more batteries charged and ready for use.

Used in conjunction with Power Pack and a Bluetooth wireless data communications link, GASBOX Autopower can analyse exhaust gases without any cables trailing around the workshop, either to the display unit or to the mains power socket.

Intuitive and user-friendly ETS gas analysis software guides you through the correct test procedure. GASBOX Autopower is also supported by IDC4 software, and can be used with any standard Windows PC.

CS9000



CS9000 is TEXA's special exhaust gas analysis solution for bikes, scooters and quads, designed for use in conjunction with GASBOX Autopower.

Four separate probes let you analyse emissions even from multiple exhaust systems. CS9000 handles all aspects of exhaust gas analysis and fuel injection calibration in a professional manner that ensures maximum performance even in racing applications.

CS9000 is equipped with a fume extraction port for connection to workshop extraction systems.

CS9000 incorporates a special solenoid valve that the control software uses to clean the probes and ensure maximum accuracy and durability.

COMPATIBILITY

		
AXONE 4 MINI	AXONE 4	WINDOWS PC

BIKE rev counter

RCM



TEXA has designed RCM, a latest generation rev counter with its own display and rechargeable battery, specifically for use on bikes. Its measurement system uses the electromagnetic pulses generated by the ignition system to provide an accurate reading of engine speed. This advanced measurement system is extremely useful with faired motorcycles as it does not require any fairing parts to be removed in order to position clamps. Compact size and ease of use make RCM practical, reliable and suitable for use by all operators.



Contact your dealer for further information.

TECHNICAL TRAINING

TEXA believes customer training to be particularly important, since adequate technical competence and the correct use of diagnostic tools are critical to the success of repair work. The teaching methods used in TEXA courses are based on an ideal mix of theory and practice on vehicles. Practice plays a fundamental part, as it combines testing and simulations with use of the mechanic's own TEXA diagnostic tools, thus stimulating more active and dynamic participation and more effective learning.



D1B BIKE DIAGNOSIS TECHNIQUES

Duration: 8 h

Self-diagnosis techniques for environment IDC4. Fundamental concepts of self-diagnosis applied to motor vehicles with electronic engine management. operation of an electronic unit with block diagram about input signals (sensors) and output signals (motion). Diagnosis of motorcycle with the "Blink Code" and "Slow Code." The serial diagnosis and interpretation of errors page, parameters, states, ECU information, activities and rules. Diagnostic Procedures and Regulations with examples applied to Ducati, Suzuki, Buell, Triumph and Piaggio.

D4 OSCILLOSCOPE DIAGNOSTICS TECHNIQUES

Duration: 8 h

Illustration of the functions available on the oscilloscope and how to read analogue and digital signals, such as peak-to-peak, frequency, PWM and T-NET mode for CAN Bus lines. The course mainly involves practical sessions, with case studies such as: analysis of earth and power supply potential, checking DFM signal from alternators, analysis of lambda signals, digital air mass meter, RPM and phase sensor synchronicity. The final part of the course examines some useful notions for checking digital signals on CAN Bus networks, thanks to the easy-to-use T-NET tool.

G1 ELECTRICAL AND ELECTRONIC SYSTEMS

Duration: 12 h

Techniques of measurement and control of electrical and electronic systems of the vehicle. Analysis of the electrical and electronic components and logical structure of the main circuits. Checks and measures with practical theoretical insights through the use of oscilloscope and Self-diagnosis programme. Interpretation signals symbolism of the components in the wiring diagram present in the operating IDC4. Introduction to digital systems and lines CAN Bus.

TEXA

TEXA was established in 1992 in Italy at Monastier di Treviso, and today is a European leader in the design and production of multibrand diagnostics tools, exhaust gas analysers and air-conditioning maintenance stations. TEXA has operations virtually all over the world, through an extensive distribution network, while in Spain, France, Great Britain, Germany, the United States, Poland, Russia and Japan, it markets its products directly through its own branches. TEXA now employs some 450 people around the world, including more than 100 engineers and specialists working in Research and Development.

TEXA has also received extensive international recognition over the years: the company won the prestigious Frost & Sullivan award in 2006 and 2007, received the GIPA (Groupement Inter Professionnel de l'Automobile) prize in 2009 for the TEXAEDU program and again in 2013 for Communications. In 2009 TEXA won also a gold medal at the Grands Prix Internationaux de l'Innovation Automobile in Paris. In 2010 it won the Innovation award at Automechanika Frankfurt, and in 2011 the "Galeria de Innovacion" prize at Motortec in Madrid. In 2011, the President of the Italian Republic Giorgio Napolitano presented founder and CEO Bruno Vianello with the national award for Italy's most innovative company. All TEXA tools are designed, engineered and built in Italy, using modern automated production lines, a guarantee of maximum precision. TEXA focuses careful attention to product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.



To check out the extensive coverage of TEXA products, go to:
www.texa.com/coverage

To check on IDC4 compatibility and minimum system requirements, go to:
www.texa.com/system

WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "Systems that can be diagnosed" of the product and/or software at TEXA authorized retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.



**ALL TEXA PRODUCTS
ARE GUARANTEED FOR
24 MONTHS**



TEXA

TEXA UK Ltd.

32 - 34 Churchill Way
Lomeshaye Industrial Estate
Nelson - Lancashire
BB9 6RT United Kingdom
Tel. 01282 606 787 - Fax 01282 604 240
www.texa.co.uk - info.uk@texa.com

The BLUETOOTH brand is the property of Bluetooth SIG, Inc., U.S.A., and is used by TEXA S.p.A. under license.

Android is a trademark of Google Inc

Copyright TEXA S.p.A.
cod. 8801823
12/2014 - UK - V.2.0