Professional Tool & Equipment News
PTEN
The Independent Tool Authority

JUNE 2014

2014
SCAN TOOL
SPEC GUIDE

A COMPREHENSIVE GUIDE TO PROVIDE YOU WITH INFORMATION ON CHOOSING THE RIGHT SCAN TOOL FOR YOUR NEEDS

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GENERIC IS AN
UNDERSTAMENT

AUTEL

Welcome to the Scan Tool Spec Guide

Welcome to the first PTEN Scan Tool Spec Guide! This guide has been designed to help technicians narrow down which aftermarket tools best meets their needs. *PTEN* organized the 2014 Scan Tool Spec Guide with the assistance of diagnostic tool manufacturers and veteran technicians. These experts agree the purchase of a scan tool requires the technician to understand his or her specific diagnostic needs. Experts further agree the scan tool buyer should have a thorough understanding of a tool's capabilities before making a buying decision.

When considering the purchase of a scan tool, technicians are advised to first determine what types of vehicles they diagnose – domestic, European and Asian – and with what frequency.

The guide categorizes scan tools by two types:

OBD II generic and OBD II enhanced. The OBD II generic guide lists scan tools that provide emissions-related power-train coverages, and shows the coverage offered on each tool for all 10 Modes (Modes 1 through 9, and 0A). OBD II generic tools can also include additional coverages. Hence, this section includes additional features and functions.

In addition to full coverage of all 10 Modes, the OBD II enhanced guide provides more information on additional tool features, including coverages such as OE-level data stream, diagnostic trouble codes, bi-directional controls for supported systems and more. Enhanced OBD II Diagnostic Trouble Codes (DTCs) are those codes unique to a vehicle of a specific year, make, model (and possibly engine size). Enhanced DTCs are assigned by the vehicle manufacturers to cover situations not already covered by a generic DTC.

In addition to the functions and features listed, the guide also includes a check list of software, website, service and support features. This checklist is important since tools must be updated regularly and are offering more options to interface with repair information services, shop management systems and other helpful information.

The guide does not include all tools from the participating manufacturers, due to space considerations.
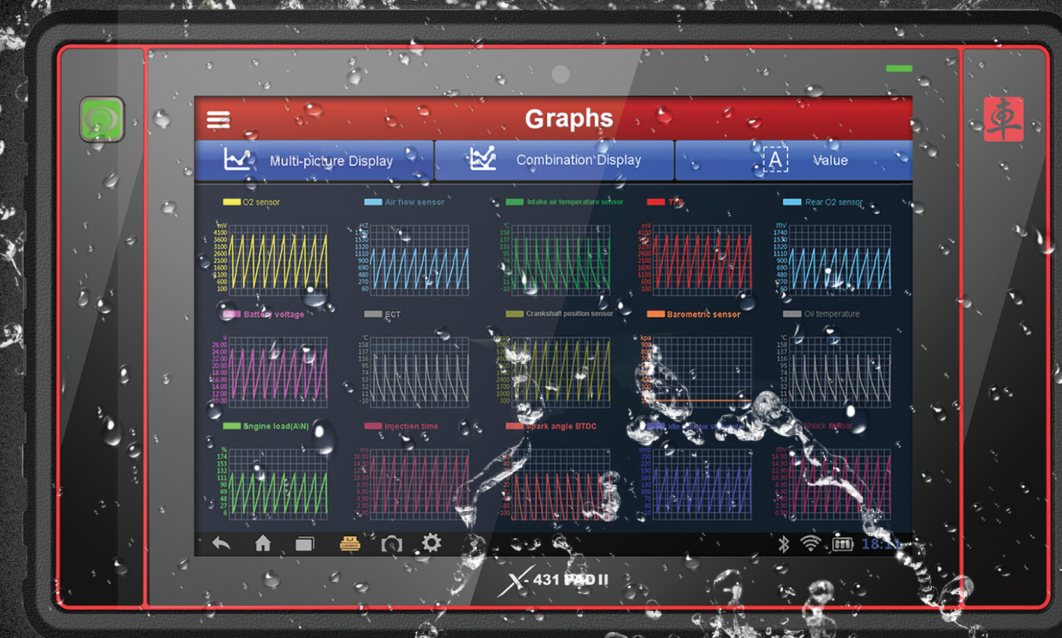
Manufacturers were asked to limit their listings to one OBD II generic tool and one OBD II enhanced tool. Several of the manufacturers offer a larger number of diagnostic products to accommodate customer needs.

The information about the tools in this guide was based on input provided by the manufacturers. At the end of this guide, you'll find a company directory to contact manufacturers for more information.

To find product information for scan tools in this spec guide, and other scan tools, visit: **VehicleServicePros.com/ directory**.

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COMPANY NAME	Autel	AutoEngenuity	Autologic Diagnostics	Automotive Test Solutions	Bosch	CanDo International	EASE Diagnostics	Launch Tech USA	Mac Tools	Matco Tools	Snap-on Diagnostics	TEXA USA
PRODUCT NAME	MD802	Scan Tool	DBD Software	Escan	OTC 3111 PRO	HD Code Plus	X2 Pro PC Scan Tool	CRP-129	ET1505ANX Mac TaskConnect	MD80 Fix Advisor Pro	Microscan III	IDC4 CAR/ Super CAR
Price												
Up to $2,000	●	●		●	●	●	●	●	●	●	●	
$2,000 to $4,500			●									
$4,500 to $10,000												●
Scanning Functions (1996 to Present)												
Reads generic data and monitors (Mode 1)	●	●	●	●	●	●	●	●	●	●	●	●
Displays freeze frame data (Mode 2)	●	●	●	●	●	●	●	●	●	●	●	●
Reads trouble codes (Mode 3)	●	●	●	●	●	●	●	●	●	●	●	●
Clears all trouble codes for all systems (Mode 4)	●	●	●	●	●		●	●	●	●	●	●
Reads test results for oxygen sensors (Mode 5)	●	●		●	●	●	●	●	●	●	●	●
Reads test results (Mode 6)	●	●		●	●	●	●	●	●	●	●	●
Reads pending codes (Mode 7)	●	●		●	●	●	●	●	●	●	●	●
Bi-directional control (actuator tests) (Mode 8)	●	●			●	●	●	●	●	●	●	●
Vehicle information - VIN # - (Mode 9)	●	●	●	●	●	●	●	●	●	●	●	●
Reads permanent DTCs (Mode 0A)	●	●			●	●	●	●	●	●	●	●
Other Functions												
Enhanced bi-directional		●				●						●
Reset oil lights	●	●						●				●
Inspection interval lights		●						●				●
Electronic brake service		●						●				●
Steering angle service		●						●				●
Record and play back OBDII live data	●	●		●	●		●	●		●	●	●
Graph live data on the screen	●	●		●	●	●	●	●	●	●	●	●
Graph multiple values on screen	●	●		●	●	●	●	●	●	●	●	●
Anti-theft/key duplication												●
Live Data Stream--Digital												
Enhanced engine coverage (codes, data or both)	Both				Codes	Both	Codes	Both	Codes	Codes	Codes	Both
Enhanced transmission coverage (codes, data or both)	Both				Codes	Codes	Codes	Both	Codes	Codes		Both
ABS coverage (codes, data or both)	Both				Codes	Codes	Codes	Both	Codes	GM, Ford, Honda, Nissan, Toyota, Hyundai, Kia, Mercedes, BMW, VW and Audi Codes	Codes	Both
SRS coverage (codes, data or both)	Both				Codes	Codes	Codes	Both	Codes	GM, Ford, Honda, Nissan, Toyota, Hyundai, Kia, Mercedes, BMW, VW and Audi Codes		Both
HVAC (codes, data or both)	Both				Codes	Codes	Codes			Codes		Both
Graphs live data on screen	●	●			●	●	●	●	●	●	●	●
Graphs multiple values on screen simultaneously (list how many)	2		6+	8	1	2	24	4	2		3	8
OBD I Adapters (Pre-1996)												
Domestic Coverage										●		
Asian Coverage										Toyota/Lexus		
European Coverage												●
Vehicle Coverage												
Enhanced Domestic Coverage												
All	●	●		●	●	●		●	●	●		
Most										●		
Some												
None			●				●				●	●
Enhanced Asian Coverage												
All	●	●		●		●		●	●			
Most										●		
Some					●							
None			●				●				●	●

OBD II Generic

COMPANY NAME	Autel	AutoEngenuity	Autologic Diagnostics	Automotive Test Solutions	Bosch	CanDo International	EASE Diagnostics	Launch Tech USA	Mac Tools	Matco Tools	Snap-on Diagnostics	TEXA USA
PRODUCT NAME	MD802	Scan Tool	DBD Software	Escan	OTC 3111 PRO	HD Code Plus	X2 Pro PC Scan Tool	CRP-129	ET1505ANX Mac TaskConnect	MD80 Fix Advisor Pro	Microscan III	IDC4 CAR/Super CAR
Enhanced European Coverage												
Alfa Romeo	●			●		●			●			●
Audi	●	●		●		●		●	●	Audi		●
Bentley	●	●		●		●			●			●
Bugatti	●			●		●			●			●
BMW	●	●		●		●		●	●	BMW		●
Ferrari		●		●		●			●			●
Lotus				●		●			●			●
Maserati		●		●		●			●			●
Maybach	●			●		●			●			●
Mercedes	●	●		●		●		●	●		●	●
Mini Cooper	●	●		●		●		●	●			●
Opel	●	●		●		●		●	●			●
Peugeot	●			●		●		●	●			●
Porsche	●	●		●		●		●	●			●
Renault	●			●		●		●	●			●
Saab	●			●		●		●	●			●
Volkswagen	●	●		●		●		●	●			●
Volvo	●			●		●		●	●			●
Other (please list)				All OBD II vehicles		Fiat and Land Rover		Land Rover, Smart, Skod and Seat	Jaguar, Land Rover, Smart and Subaru			●
Tool Features												
Operating system		Windows XP, 7 and 8		Windows Vista, XP, 7, 8 and 8.1	Proprietary	Embedded	Windows Vista, XP 7 and 8	DPU-Launch				Windows XP and 8, Proprietary
Multilingual - on screen definitions in English/Spanish/French	●	●		English only	●			●	●	●		
Includes internal battery		●			●		Based on user's device		●	●		
High-resolution color screen	●	●		●			Based on user's device	●				
Touchscreen interface (size in inches)	2.5" (non-touch)			Any size screen			Based on user's device				4"	10"
Print vehicle diagnostic reports capabilites	●	●	●	●	●		Based on user's device	●	●	●	●	●
Requires separate laptop or PC		●		●	●		●					●
VGA port				Based on user's device	●		Based on user's device					
HDMI port				Based on user's device			Based on user's device					
Wireless-to-car capabilites (VCI, Doggle, etc.)				●			●					●
Built-in J2534		●					●					●
Wi-Fi / Internet capable			●	Based on user's device			●					●
Available Tool Add-Ons												
5-gas analyzer				●			●					●
TPMS resets												
TPMS relearns												●
Labscope capability				●								●
J2534 reflash and pass-thru diagnostic capability		●					●					●
Multimeter												●
Software, Website, Support & Service Features												
Call-in support	●			●		●	●	●	●	●	●	●
Field/Rep support							Remote	●			●	
Internet updateable, upgradeable or both	Both	Updateable		Both		Both	Both	Both	Both	Updateable		Both
Optional repair solutions for VIN-specific fixes									●	●	●	●
Optional diagnostic and repair procedure instructions + videos											●	●
Includes the following repair procedure information services												
Interfaces with the following shop management systems							iShop					
Most Important Feature	Ability to scan all modules	Ease of use		Patented fuel trim and volumetric efficiency (VE) tables	Code-Connect offers 4.3 million vehicle fixes based on code, symptom specific to vehicle	Value for dollar; works with all 1996 and newer models; free software upgrades for the life of product	Feature rich scan tool software, high-definition graphing, wireless communication, third party J2534 device support and remote diagnostics		Over 4.3M verified fixes built-in	Optional OBD I	Code tips in the tool	F1 transmission adjustments, manual coding and more on Lamborghini, Ferrari and Maserati

OBD II Enhanced

COMPANY NAME	Autel	AutoEngenuity	Autoland Scientech	Autologic Diagnostics	Bosch	Cojali USA	Delphi	EASE Diagnostics	Injectronic	Launch Tech USA	Mac Tools	Matco Tools	Ross-Tech	Snap-on Diagnostics
PRODUCT NAME	MS908	ProLine Bundle with Euro	iScan II WT	Autologic	OTC Genisys Touch	Jaltest Mutibrand Diagnostics	Delphi Scan Diagnostics Tool	X2 Pro Scan Tool Suite	CJ4 Scantool-Labscope, No. 9240	ScanPad 071	ET6200 Mentor Scout	MDMAX2 Maximus 2.0	VCDS, VCDS-Mobile	Verus Pro
Price														
Up to $2,000		●						●	●	●			●	
$2,000 to $4,500	●		●		●		●				●	●		
$4,500 to $10,000						●								●
More than $10,000				●										
Scanning Functions (1996 to Present)														
Fully supports all ten modes of OBD II scan tool operation (Mode 1 through Mode 0A)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Other Functions														
Enhanced bi-directional	●	●	●		●	●	●	●	●	●	●	●	●	●
Reset oil lights	●	●	●		●	●	●	●		●	●	●	●	●
Inspection interval lights	●	●	●		●		●	●		●	●	●	●	●
Electronic brake service	●	●	●		●		●	●		●	●	●	●	●
Steering angle service	●	●	●		●		●	●		●	●	●	●	●
Record and play back OBD II live data	●	●	●		●	●	●	●	●	●	●	●	●	●
Graph live data on the screen	●	●	●		●	●	●	●	●	●	●	●	●	●
Graph multiple values on screen	●	●	●		●	●	●	●	●	●	●	●	●	●
Anti-theft/key duplication	●		●	●	For 2014		●		●	●	●	●		
Live Data Stream--Digital														
Enhanced engine coverage (codes, data or both)	●	Both	Both		Both	Both	Both	Both	Both	Both	Both	Both	Both	Both
Enhanced transmission coverage (codes, data or both)	●	Both	Both		Both	Both	Both	Both	Both	Both	Both	Both	Both	Both
ABS Coverage (codes, data or both)	●	Both	Both		Both	Both	Both	Both	Both	Both	Both	Both	Both	Both
SRS Coverage (codes, data or both)	●	Both	Both		Both	Both	Both	Both	Both	Both	Both	Both	Both	Both
HVAC (codes, data or both)	●	Both	Both		Both	Both	Both	Both		Both	Both	Both	Both	Both
Graphs live data on screen	●	●	●		●	●	●	●	●	●	●	●	●	●
Graphs multiple values on screen simultaneously (list how many)		4		This depends on make and model	6	8	16	24	2	4	8	15	12	16
OBD I Adapters (Pre-1996)														
Domestic Coverage					●	●		●			●	Optional	●	●
Asian Coverage		●	●		●	●			Nissan and Honda		●	Optional	●	●
European Coverage		●	●		●	●			VW		●	Optional	●	●
Vehicle Coverage														
Enhanced Domestic Coverage														
All	●	●			●		●	●	●	●	●	●	Generic OBD II after 2008	●
Most			●			●								
Some														
None				●										
Enhanced Asian Coverage														
All	●	●			●					●	●	●	Generic OBD II after 2008	●
Most			●			●	●	●						
Some									●					
None				●										

OBD II Enhanced

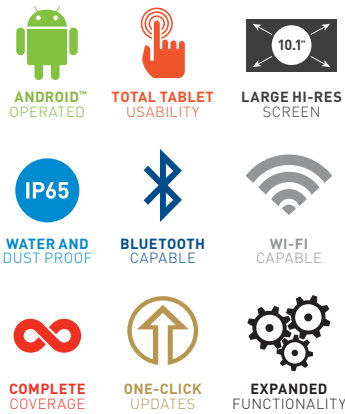| COMPANY NAME	Autel	AutoEngenuity	Autoland Scientech	Autologic Diagnostics	Bosch	Cojali USA	Delphi	EASE Diagnostics	Injectronic	Launch Tech USA	Mac Tools	Matco Tools	Ross-Tech	Snap-on Diagnostics
PRODUCT NAME	MS908	ProLine Bundle with Euro	iScan II WT	Autologic	OTC Genisys Touch	Jaltest Mutibrand Diagnostics	Delphi Scan Diagnostics Tool	X2 Pro Scan Tool Suite	CJ4 Scantool-Labscope, No. 9240	ScanPad 071	ET6200 Mentor Scout	MDMAX2 Maximus 2.0	VCDS, VCDS-Mobile	Verus Pro
Enhanced European Coverage							Global Generic OBD II only until Q3							
Alfa Romeo	●		●											
Audi	●	●	●	●	●			●	●	●	●	●	●	
Bentley	●	●	●					●					●	
Bugatti	●							●						
BMW	●	●	●	●	●					●	●	●		
Ferrari		●												
Lotus														
Maserati		●												
Maybach	●	●	●											●
Mercedes	●	●	●	●	●	●			●	●	●	●		
Mini Cooper	●	●	●	●	●						●	●		●
Opel	●	●	●			●				●	●	●		
Peugeot	●		●	●		●				●		●		
Porsche	●		●	●								●		
Renault						●								
Saab	●		●					●		●	●	●		
Volkswagen	●	●	●	●	●	●		●	●	●	●	●	●	●
Volvo	●		●	●	●			●	●	●	●	●		●
Other (please list)					Fiat, Land Rover, Jaguar and Smart					Land Rover, Smart, Skod and Seat	Jaguar, Land Rover, Smart and Subaru	Citroen, Fiat, Jaguar, Land Rover, Seat, Smart and Sprinter	Seat and Skoda	Land Rover, Smart Car and Fiat
Tool Features														
Operating system	Android	Windows XP, 7 and 8	Proprietary		Windows	Windows XP, 7 and 8	Windows XP, 7 and 8	Windows Vista, XP, 7 and 8	ARM7	Android	Android	Android 4.1+	Windows Vista, XP 7 and 8	Windows
Multilingual - on screen definitions in English/Spanish/French	●	●	●	English and Spanish	●	●			●	●	●	●	●	
Includes internal battery	●	●		●	●	●	●	Based on user's device		●	●	●	Based on user's device	
High-resolution color screen	●	●			●	●	●	Based on user's device		●	●	●	Based on user's device	
Touchscreen interface (size in inches)	10"		7"		10"	12.1"	10"	Based on user's device		7.1"	7.1"	10.1"	Based on user's device	10"
Print vehicle diagnostic reports capabilites	●	●	●	●	●	●	●	Based on user's device	●	●	●	●		
Requires separate laptop or PC		●			●	●	●	●					●	
VGA port	●				●	●	●	Based on user's device				●	Based on user's device	●
HDMI port								Based on user's device				●	Based on user's device	
Wireless-to-car capabilites (VCI, Doggle, etc.)	●		●		●	●	●	●	●	●		●	●	●
Built-in J-2534	●		●	●	●	●	●	●						
Wi-Fi / Internet capable			●		●	●	●	●		●		●	Based on user's device	●
Available Tool Add-Ons														
5-gas analyzer								●						●
TPMS resets		Built-in for some makes	●	●	●	●	●					●		●
TPMS relearns		Built-in for some makes	●	●	●							●		
Labscope capability	●				●							●		●
J2534 reflash and pass-thru diagnostic capability	●	●	●	Pass-thru for Volvo	●		●	●						
Multimeter	●		●		●							●		
Software, Website, Support & Service Features														
Call-in support		●	●	●	●	●	●	●	●	●	●	●	Fee-based	●
Field/Rep support		●	●	●	●	●	●	Remote		●	●	●		
Internet updateable, upgradeable or both	Both	Updateable	Both	Both	Updateable	Both	Both	Both	Updateable	Both	Both	Both	Both	Updateable
Optional repair solutions for VIN-specific fixes			●		●									ProDemand, ShopkeyPro
Optional diagnostic and repair procedure instructions + videos	●		●		●	●				●	●	●	●	Mitchell1 Manager SE, Shopkey Management SE
Includes the following repair procedure information services				Full technical support for each car line	Identifix Direct-Hit 60-day trial		Delphi RepairPoint					Identifix Direct-Hit 60-day trial	All via Wi-Fi	SureTrack
Interfaces with the following shop management systems								iShop		Any network-based Android		Identifix		ProDemand, Shopkey
Most Important Feature	Closely emulates OEM functionality	Depth of coverage	Embedded coding and programming function for domestic, Asian and European makes		Exclusive Code-Assist, Repair-Trac Pattern Failure Database, Symptom-Assist, scan repair specifications, scope component test specifications, essential performance specs and scan component test videos with a J2534-compliant device	Multibrand and multisystem	Ease of use	Feature-rich scan tool software; high-definition graphing, wireless communications, third party J2534 device support and remote diagnostics	Has built-in labscope; has own screen but can be used in pass-thru mode to display data on a PC; can be used in generic mode by accessing the enhanced apps in the expansion module	Wireless-to-car and wireless-to-Internet; Android	Over 30 million experience-based repair solutions	One of the largest screens in the market	Factory-level, VAG-only diagnostic tool; supports all VAG protocols which go past OBDII functions; full access to all modules in vehicles; long coding helper provides easy access to configuring a module	Open Windows system with Internet browser

Company Directory

Company	Phone	Website
Autel	631-923-2620	www.autel.us
AutoEnginuity	480-827-TOOL	www.autoenginuity.com
Autologic Diagnostics	877-945-6442	www.autologic.us
Automotive Test Solutions-ATS	800-572-6112	www.automotivetestsolutions.com
CanDo International Inc.	909-912-1842	www.candointl.com/
Cojali USA Inc.	305-960-7651	www.cojaliusa.com/
Delphi	877-GO-DELPHI	www.delphi.com/am
EASE Diagnostics	888-366-3273	www.obd2.com
Injectronic	866-691-6283	www.injectronic.com
Launch Tech USA	877-LAUNCH9	www.launchtechusa.com
Mac Tools	800-MAC-TOOLS	www.mactools.com
Matco Tools	866-BUY-TOOL	www.matcotools.com
OTC, Bosch Automotive Service Solutions	800-533-6127	www.otctools.com
Ross-Tech	267-638-2300	www.ross-tech.com
Snap-on Diagnostics	800-424-7226	diagnostics.snapon.com
TEXA USA		www.texa.com

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