

A large, light gray silhouette of a person is positioned in the background, leaning over and working on the front of a car. The person appears to be using a diagnostic tool on the engine area.

Performance and coverage comparison of five multibrand diagnostic scan tools on the European market

Multibrand diagnostic scan tools tested

- **Actia Multi-Di@g mobile**
- **Bosch KTS-650**
- **Launch X-431**
- **Texa Navigator Mobile**
- **Autocom CDP Cars**

Cars used in the benchmark

- **Ford Focus 1,8 Flexifuel -MY06**
- **VW Golf 1,4 TSI -MY09**
- **Opel Astra 1,6i -MY07**
- **Renault Megane II 1,6 -MY06**
- **Fiat Grande Punto 1,4 -MY06**
- **Audi A4 2,0 Tdi -MY08**
- **BMW 320i –MY06**
- **Toyota Yaris 1,0 -MY04**
- **Citroën C4 VTR Coupé 1,6 -MY05**
- **Volvo XC60 D5 (185 hp) -MY09**
- **Saab 9-3 Conv 2,0 T (210hp) -MY05**

Functions

R = Read fault codes

E = Erase fault codes

A = Activations

D = Data lists

P = Parameter settings

C = Coding

S = Self test

In all documentation the following terminology is used

Tools: Actia, Bosch, Launch...

Systems: Engine, SRS, Instrument...

Functions: Read fault codes, Activations...

Coverage comparison

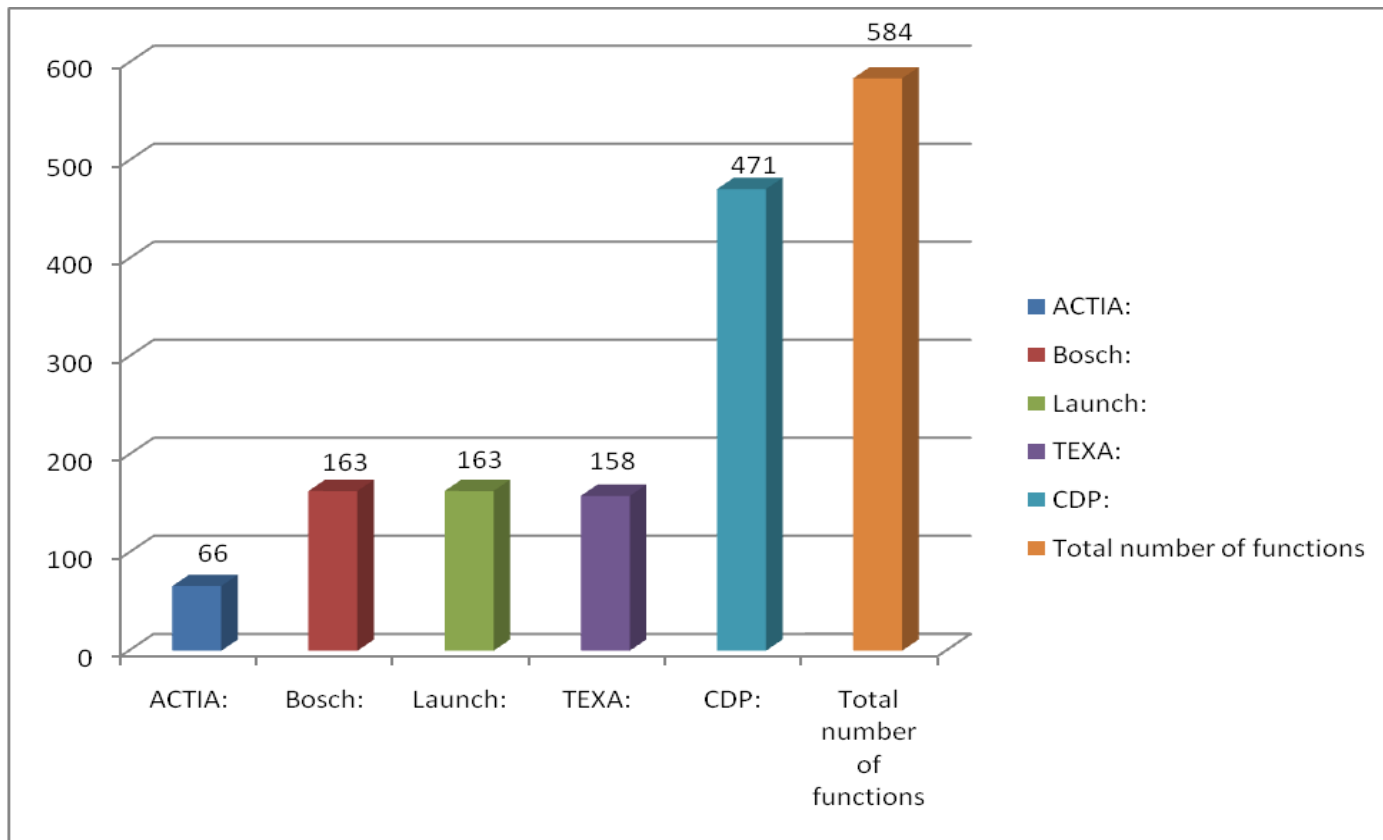
All data analysis is based on data in five charts like this one

Actia Mobile												
System		Volvo	Opel	Toyota	VW Golf	Ford	Audi	Renault	Citroen	Fiat	BMW	Saab
Engine		/	/	REDA	/	RED	/	REDA	REDAP	RED		/
Gearbox												
ABS				REDA		RE *1		REDAP	REDAP	REDAP	REDA	
ACC											REDA	
SRS								REDP			RED	
Immobilizer				RE								
Instrument						RED		P				
Body												
Intelligent controlbox (UCH)								REDAP				
Lightcontr.												
Service												
EOBD			RED	RED	RED	RED	RED	RED	RED	RED	RED	RED

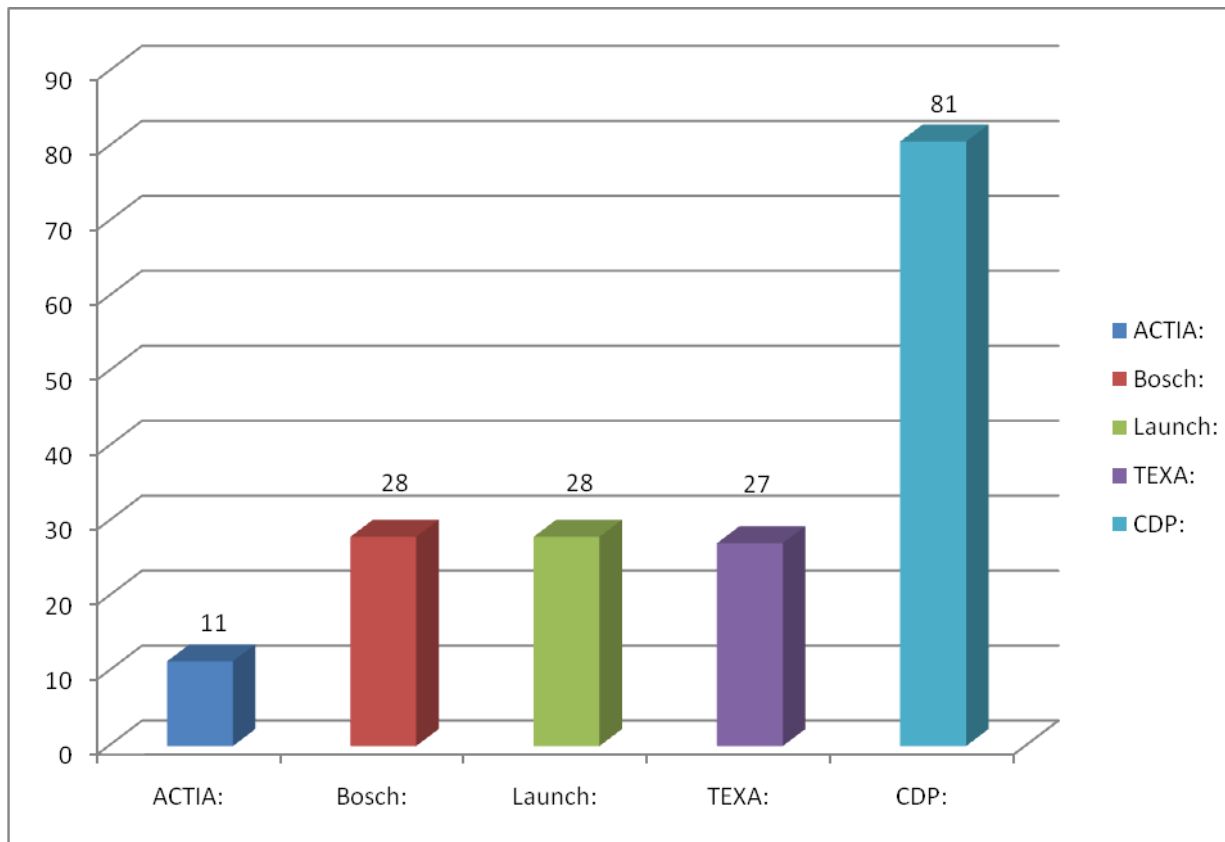
EODB functions supported by each diagnostic tool on all eleven cars

EODB											
	Volvo	Opel	Toyota	VW Golf	Ford	Audi	Renault	Citroen	Fiat	BMW	Saab
ACTIA		RED	RED	RED	RED	RED	RED	RED		RED	RED
Bosch		RED	RED	RED	RED	RED	RED	RED	RED	RED	RED
Launch			RED					RED		RED	
TEXA		RED	REDA	RED	RED	RED	RED	RED	RED	RED	RED
CDP	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED

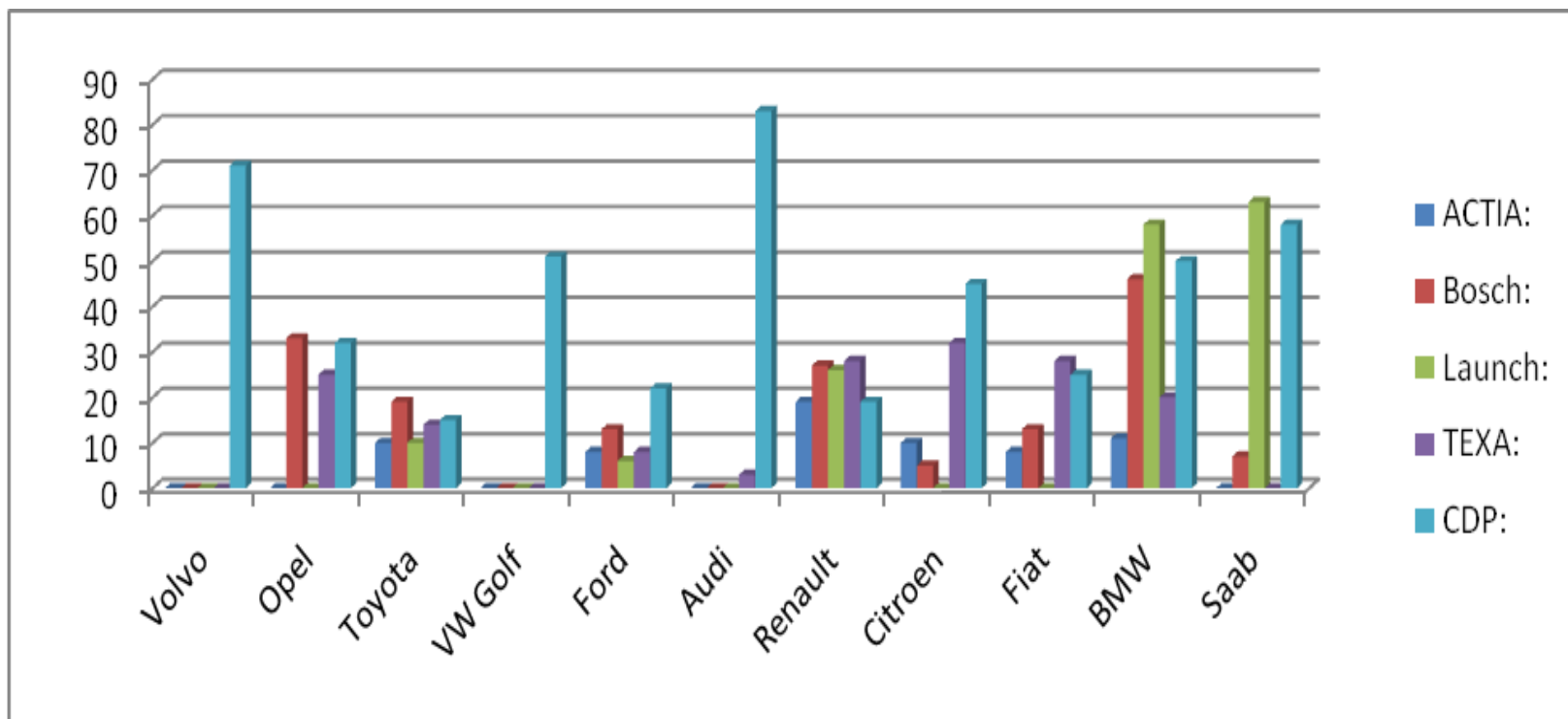
Total number of functions found by each diagnostic tool on all eleven cars



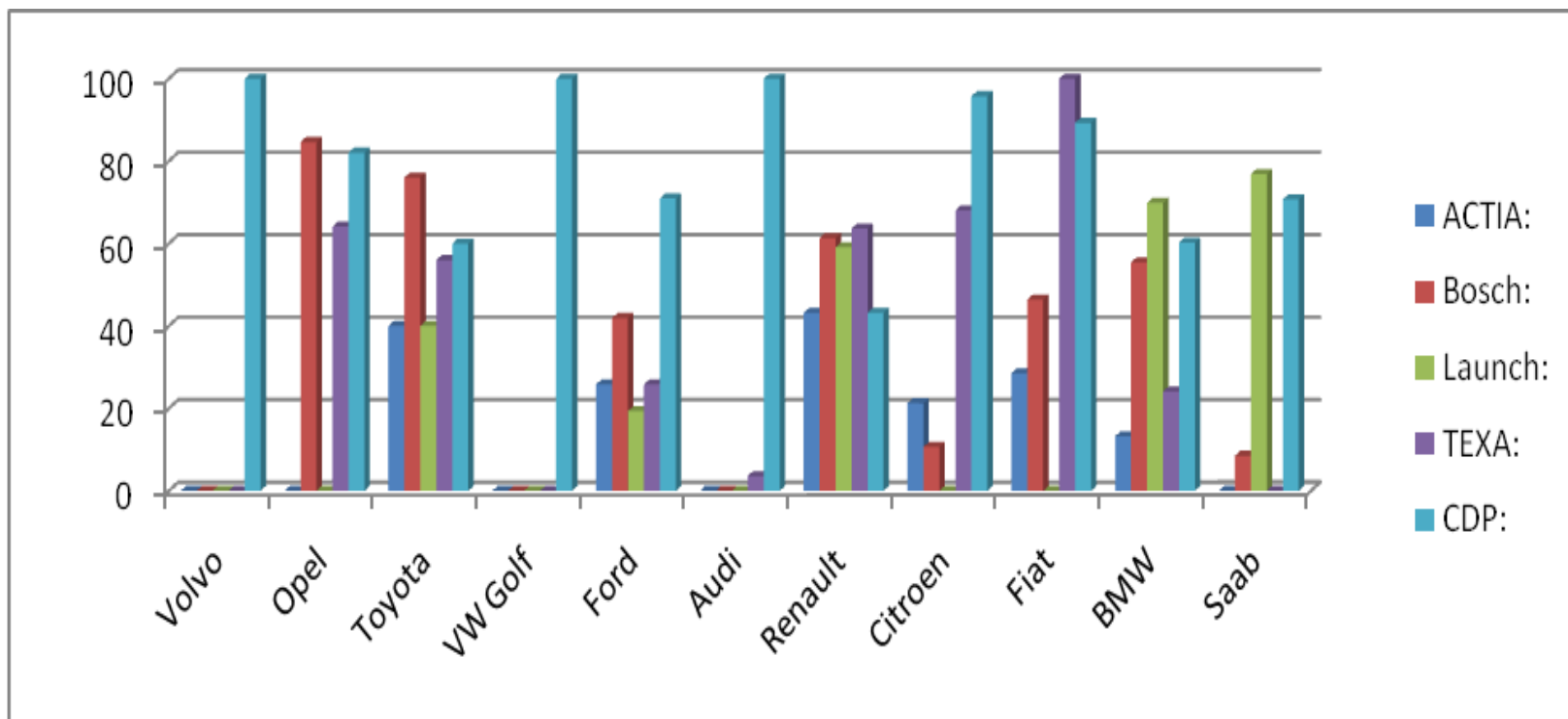
Total number of functions found by each diagnostic tool on all eleven cars in percent



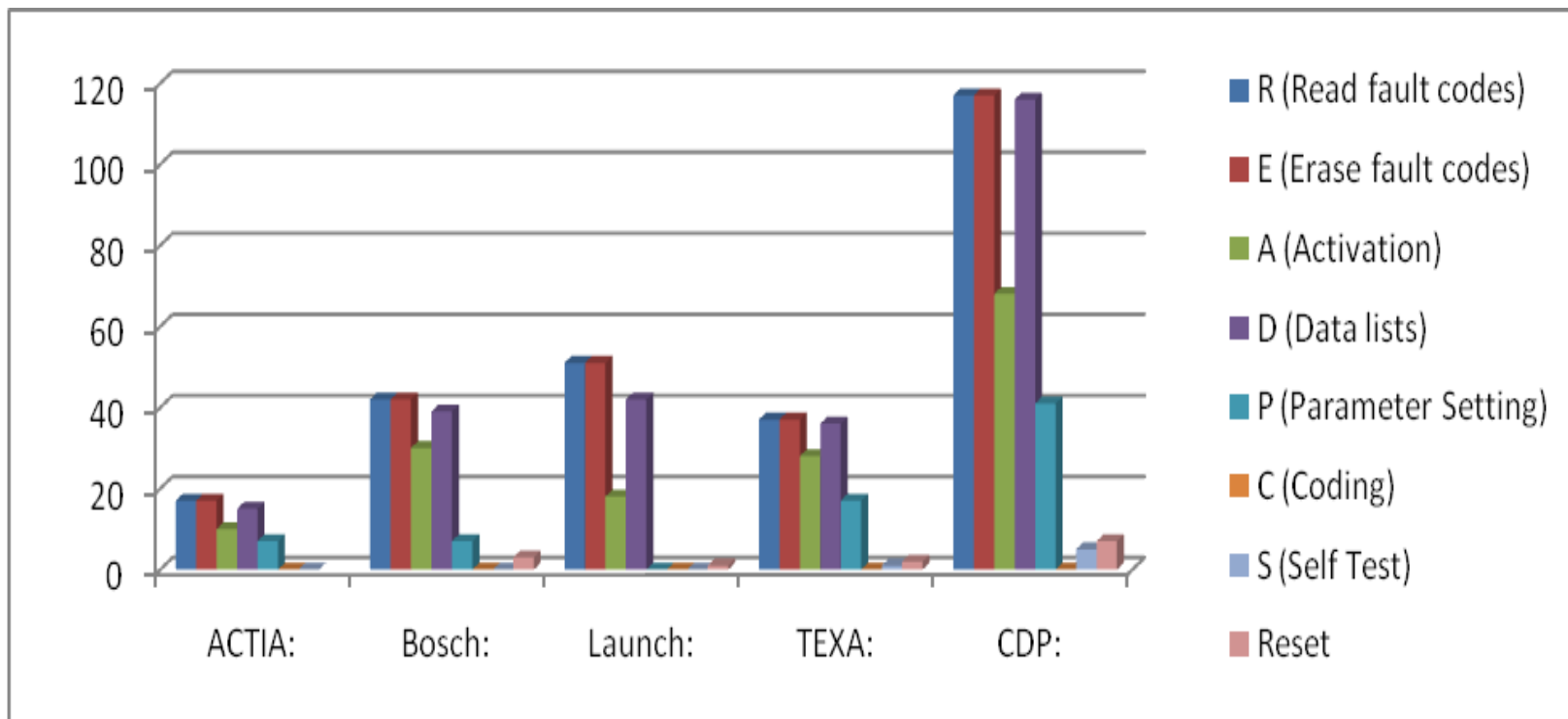
Number of functions found by the diagnostic tools on all cars



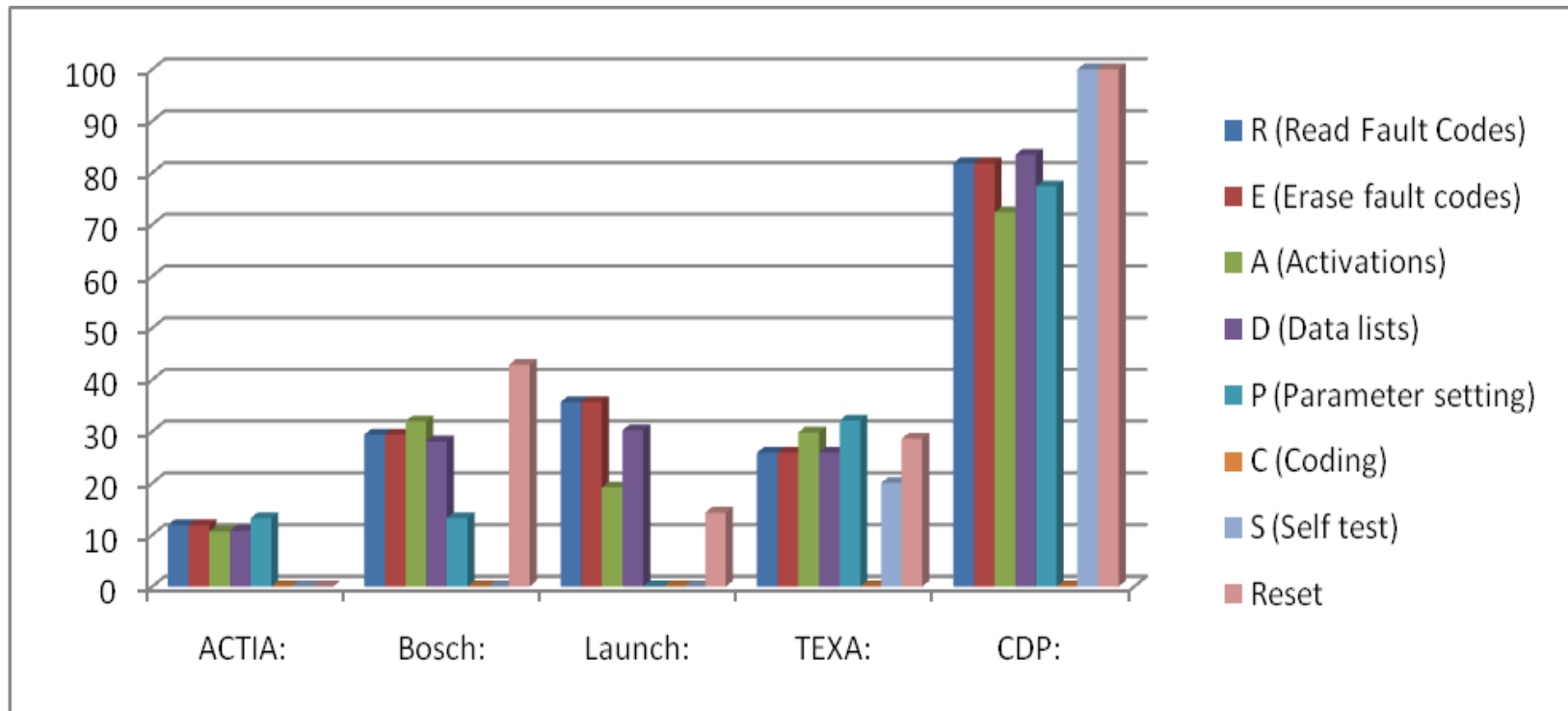
Number of functions found by the diagnostic tools on all cars in percent



Type of functions found by the diagnostic tools on all cars



Type of functions found by the diagnostic tools on all cars in percent



Usability & Performance comparison

ACTIA Multi-Di@g mobile

Advantages:

1. Innovative first impression.
2. Easy to use.
3. Easy to define car before search.
4. Low learning threshold.
5. Fast communication

Disadvantages:

1. Found the least number of functions in the cars tested.
2. Several communication failures due to no communication between the VCI-interface and the USB-gate.
3. No wireless communication.

Bosch KTS-650

Advantages:

1. Robust and confident design.
2. Easy to use the large touch screen.
3. Low learning threshold.
4. Nicely displayed results, big font and easy to read.

Disadvantages:

1. Ergonomics (large and heavy)
2. Slow communication speed with the car.
3. No wireless communication.

Launch X-431

Advantages:

1. The system start-up time is short.

Disadvantages:

1. Poor first impression.
2. No wireless communication.
3. Supports least number of tested cars.
4. Small and black & white screen.
5. A lots of maneuvering through menus.
6. Poor support with multiplexer Super 16, adapters often needed.
7. For some cars a lot of systems were listed that were not supported.

Autocom CDP

Advantages:

1. Good first impression.
2. Robust and confident design.
3. Wireless communication.
4. Software easy to use.
5. Supports all our tested cars.

Disadvantages:

1. Poor information for finding position of diagnostic contact.

TEXA Navigator TXT

Advantages:

1. Good first impression.
2. Video sequence to find the diagnostic contact.
3. Wireless communication.

Disadvantages:

1. Demanding sometimes to define the right car model.
2. The software is not intuitive. Sometimes no acknowledge when pressing menu buttons (software configurable buttons).
3. Menu buttons disappeared sometimes, but if you touched the screen where they should be positioned, they occurred again.
4. Slow communication, takes rather long time to identify systems.

Summarizing score of subjective analysis

	User friendliness	Ergonomics	Time consumption	Finding the right vehicle	Overall impression	Score
ACTIA	4	3	4	4	4	19
Bosch	4	2	2	3	3	14
Launch	2	2	2	3	2	11
Autocom	5	4	4	4	5	22
TEXA	3	4	2	2	3	14

Total score incl. systems found

	Systems found	Total score (including systems found grade)
ACTIA	1	20
Bosch	3	17
Launch	2	13
Autocom	5	27
TEXA	3	17

A large, light gray silhouette of a person sitting and resting their chin on their hand, appearing to be in deep thought. The person is wearing a patterned shirt and trousers.

Benchmark performed by: RLE International AB

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