

Multi-Scope®

The Multi-Di@g® compliant Multimeter and Oscilloscope

Multi-Scope® represents the Multi-Di@g® physical measurement module. Multi-Scope® does any vehicle's complete electrical diagnostic, thanks to its multimeter and oscilloscope overhang functions. Multi-Scope is a very compact box form for optimal use in workshop. Multi-Scope allows easy and high precision physical measurements.

Multi-Scope® hardware tool's composition

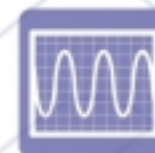
- Multi-Scope® box,
- RS232 connection cable to the diagnostic terminal,
- Power supply cable for on road tests,
- Channel A measurement cable,
- Channel B measurement cable,
- Power supply (220V),
- CD Rom with Multi-Scope® software.

Diagnostic terminal needed configuration

- Pentium, RAM 32 MB
- HDD 1 GB free
- CD ROM drive
- Windows 98/Me/2000/XP
- Free USB port

The diagnostic terminal is not included in Multi-Scope®

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Oscilloscope

Parameter	Value
Sample rate – one channel	10 MSPS
Sample rate – two channels	10 MSPS
Bandwidth	Min. 600kHz (-3 dB)
Vertical resolution	Min. 8 bits
Input impedance	2X1 MOhm
Input Sensitivity	100 mV...100V/Div
Separation of inputs	Differential inputs
Time Base – one channel	5 μ s...10s/Div
Time base – two channels	5 μ s...10s/Div
Displayed samples	50/div
Record length	1024 samples / 16384 samples **
Trigger position in records	0...90 %
Trigger Mode	Auto/Trig/Simple
Trigger Source	Chan. A or B or EXT
Trigger level	In range of screen
Graticule	10 X 8 Div
Save of Signals	yes
Automatic setting	yes
Cursor measurement	Yes

**1024 samples for time base < 2,5 ms/Div

Multimeter

Parameter	Range	Resolution	Accuracy	Notes
DC Voltmeter	0...2V	1 mV	$\pm 1,5\%$ of MV ± 5 mV	For f = 0...1000Hz (accuracy is 5 % for f=1kHz ...10kHz)
	2...20V	10 mV	$\pm 1,5\%$ of MV ± 20 mV	
	20...400V	0,1 V	$\pm 1,5\%$ of MV $\pm 0,2$ V	
AC Voltmeter	0...2V	1 mV	$\pm 2\%$ of MV ± 5 mV *	
	2...20V	10 mV	$\pm 2\%$ of MV ± 20 mV *	
	20...400V	0,1 V	$\pm 2\%$ of MV $\pm 0,2$ V	
DC and AC Ampermetre (current probe)	0...100 A	0,1 A	$\pm 2,5\%$ of MV $\pm 0,5$ A *	
	0...1000 A	1 A	$\pm 2,5\%$ of MV ± 5 A *	
Ohmmeter	0...3 MOhm		$\pm 2\%$ of MV	
Duty cycle	1...99 %			
Frequency	1...10 000Hz			

* MV = measure value

Engine tester (optional)

- High voltage measurement
- Engine tightness test
- Dwell angle
- Engine RPM
- Test of ignition coils and modules
- Injection pressure wave form
- Advance ignition/injection-diesel engines

**By choosing ACTIA®,
you choose your everyday diagnostics
partner, today and tomorrow.**

For information or to place an order, your
sales contact is :

ACTIA : 25, chemin de Pourvourville – BP 74215 – 31432 TOULOUSE Cedex 4
Tél : (33) 05 61 17 61 61 – Fax : (33) 05 61 55 42 31
Site web : www.actia.com

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