

AutoLab Automotive Immunity Test Software



Introduction

AutoLab is the supporting software of the automotive electronic conducted immunity test system, and the software and hardware together constitute a complete test system, which can complete the transient conducted immunity and multi-channel power supply waveform simulation waveform test functions.

AutoLab, referencing relevant standards, provides predefined test parameters. It now offers over hundreds of test waveforms based on international and manufacturer standards, greatly facilitating user experience. Additionally, with automated test sequences, it enables remote one-click testing, making application operations more convenient.



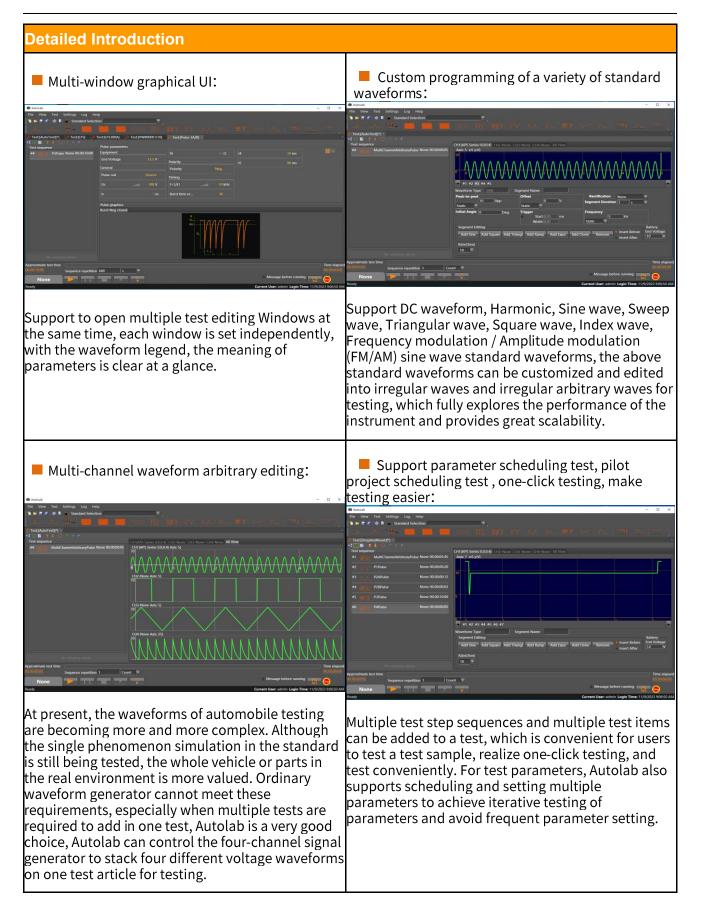
Characteristics

- > Compatible with Windows 7, Windows 8, Windows 10 and Windows 11 operating system;
- > Support the Ethernet interface;
- > Can control APS series, TIS series, LDS series, AWG series, RSG series, EVTS series equipment;
- > Support for most international standards and manufacturer standards and previous versions of the standards;
- > Support for the oscilloscope (.csv) Import and conduct the test data;
- > Powerful scheduling and test sequence, one-click remote control test;
- > Support single test / sequence test report export, support user-defined test report template;
- > Emergency stop function, one-click control, make the test more safe.

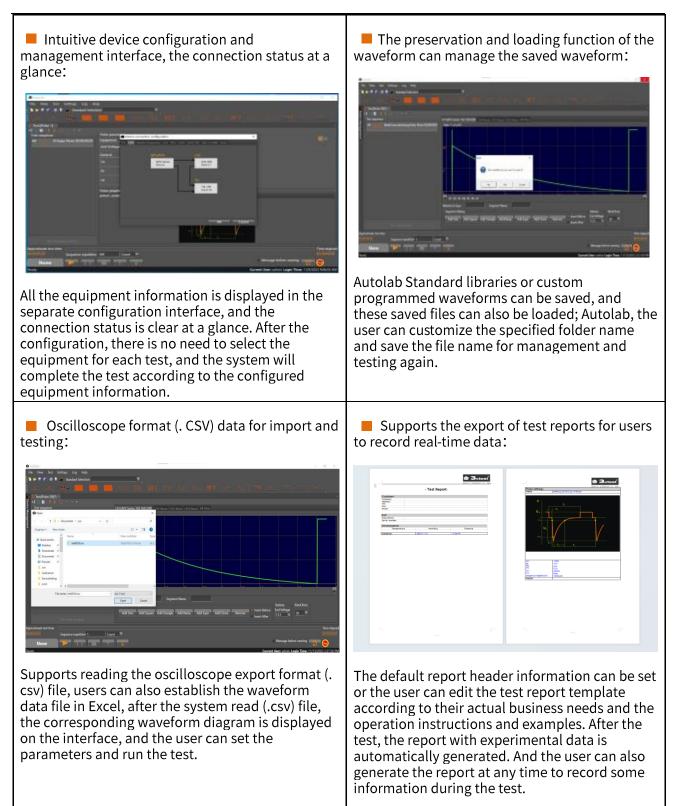
Application Areas

- >Custom programming of various standard waveform formats;
- > Custom programming of a wide range of standard waveforms;
- >Support parameter scheduling test, pilot project scheduling test , one-click testing, make testing easier;
- >Support the export of the test report, convenient for users to record real-time data;
- >Intuitive device configuration and management interface, the connection status at a glance;
- >The preservation and loading function of the waveform can manage the saved waveform;
- >Standard library, equipment support update.

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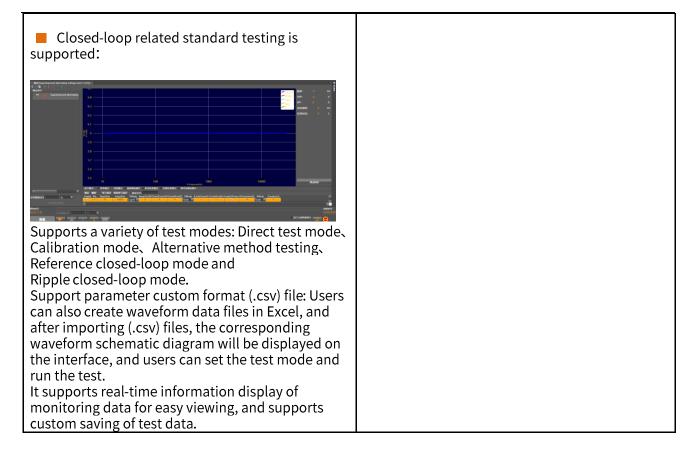


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List of Supported Standard Library		
>Asea EP455 2003.02	> DongFeng QDH-YA07-01-2019	
> BMW BMW N 600 13.0 T1	> Dongfeng QDH-YA07-01A-2022	
> BMW BMW N 600 13.0 T2	> ECE R10 Rev4, 2012-04	
> BMW GS 95002	> ECE R10 Rev 5, 2014.10	
> BMW GS 95002 2004.10	> ECE/R10.6 Nov. 2019	
> BMW GS 95002 2010.06	> FIAT 7-Z0441 2008.04	
> BMW GS 95003-2	> FIAT 7-Z0444 2008.04	
> BMW GS 95003-2 2007.03	> FIAT 9.9011 Rev. 13, 2007.03	
> BMW GS 95003-2 2010.01	> FIAT 9.90110	
> BMW GS 95024-2-1 2010	> Ford EMC-CS-2009 rev1	
> BMW GS 95024-2 2020	> Ford EMC-CS-2009 rev1 CI 220 G1, CI 220 G2	
> BYD QBYDQ-A1901.707.2	> Ford ES-XW7T-1A278-AB 1999.04	
> BYD Q_BYD_A1901.706.3-2020	> Ford ES-XW7T-1A278-AB 1999.04 CI 240 Load	
> Case New Holland	Dump	
> CHANGAN VS-00.00-T-11019-A1-2015	> Ford ES-XW7T-1A278-AC OCT 2003	
> CHANGAN VS-00.34-L-10002	> Ford ES-XW7T-1A278-AC Oct 2003 CI 220G	
> CHANGAN VS-00.34-L-10002 2020	> Ford ES-W7T-1A278-AB (Update 2006.06)	
> CHANGAN VS-00.34-L-10002 2024	(2003.10)	
> CHANGAN VS-00.35-L-10008 2018(V2)	> Ford FMC 1278	
> CHANGAN VS-00.35-L-10008 2018-12-25(V3)	> Ford FMC 1278 2015-07	
> CHERY QSQR E8-4-2019	> Ford FMC 1278 2016	
> China Motor Company ES-X82010 Rev. O, 2005.10	> FOTON QFPT2800001 2011	
> CNH ENS0310 03-09	> GAC QJGAC 1523_029	
> CNH ENS0310 Rev. G, 2010.01	> GBT 21437.2 2008	
> Daimler Chrysler CS-11809 2009.05	> GBT 21437.2 2021	
> Daimler Chrysler CS-11979 2010.07	> GBT 21437.3 2012	
> Daimler Chrysler DC-10614 2004-01 A	> GBT 21437.3 2021	
> Daimler Chrysler DC-10614 Rev. B, 2005.03	> GBT 28046.2-2011	
> Daimler Chrysler DC-10615 2003-05 A	> GBT 28046.2 2019	
> Daimler Chrysler DC-10615 2004-08 B	> GEELY J7110982A 2016	
> Daimler Chrysler DC-10615 Rev. D, 2007.05	> GEELY J7111029B 2017	
> Daimler Chrysler DC-11224 2007-05	> GEELY J7110779C 2017	
> Daimler Chrysler PF-10540 2001-12	> GEELY J7111029C 2020	
> Daimler Chrysler PF-10540 Rev. A, 2003.10	> GEELY CEVT 8888621495-2 2018	
> Daimler Chrysler PF-10541 Rev. A, 2003.12	> GEELY Q-JLY J7111029B	
> Daimler Chrysler PF-9326 Change C 1999.12	> GEELY Q-JLY J7110779D	
> DongFeng EQCS-1204-2017	> GEELY QJLY J7111029D 2022	
> DongFeng QDFXK 323-2016	>GEELY Q-JLY J7111974A-2024	
> DongFeng Q LQB C-208-2019	> GEELY Q-JLY-J7110779B 2014	

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List of Supported Standard Library		
> GEELY J7111029E 2024	> ISO 7637-2 2011	
> General Motors GM9105P 1996.11	> ISO 7637-2 2016.11	
> General Motors GM9117P 1993.05	> ISO 7637-2 20	
> General Motors GM9123P 1997.01	> ISO 7637-3 2007.07	
> General Motors GMW 3097 2004.02	> ISO 7637-3 2016	
> General Motors GMW 3097 2006.07	> ISO 7637-4 2017	
> General Motors GMW 3097 (Rev. 6, 2012.04)	> ISO 7637-4 2019	
> General Motors GMW 3097 2015.06	> ISO 7637-4 2020	
> General Motors GMW3097 Dec 2022	> ISO 21780 2019	
> General Motors GMW 3100 2000.02	> ISO 21780 2020	
> General Motors GMW 3172 2001.12	> ISO/FDIS 21780 2020 E	
> General Motors GMW 3172 2008.08	> ISO/DIS 11452-8 2015-06	
> General Motors GMW 3172 2010.07	>ISO 14708-3	
> General Motors GMW 3172 2012 9.2.18	> IVECO 16-2101 2006.4	
> General Motors GMW 3172 2014.10	> JA 3700-93C-1	
> General Motors GMW 3172 2015.06	> Jaguar / Land Rover JLR-EMC-CS Version 1.0,	
> General Motors GMW 3172 2018	Am 4 2015-02	
> General Motors GMW 3172 2022-11	> JA 3700-MH-3 2021	
> General Motors BT-SGMWJ 08244.9-2018	> JA 3700-MH-4 2021	
> GOST 28751-90 1990	> JASO D001 A-2, B-2, D-2	
> GOST 33991-2016	> JASO D001 1994 A-1, B-1, D-1, E	
> GreatWall GWT A D01-01 2020-09	> JASO D014-2 2014.03	
> GreatWall GWT A D05-02	> JIDU QJIDU 0019-2022	
> GreatWall	> John Deere JDQ 53.3 2005.10	
> HARMAN	> KARMA C1800STA0131 Rev2	
>HeZhong QTHZ E8-4	> Mazda MES PW 67600	
> Hyundai Kia ES-95400-10 Rev. A, 2003.10	> Mazda MES PW 67602 D	
> Hyundai Kia ES 96200-00 REV K 2011-11 P5b	> Mazda MES PW 67602 Nov.2015	
> ISO 16750-2 2000.11	> Mazda MES PW 67602 2019	
> ISO 16750-2 2006	> Mercedes LV 123	
> ISO 16750-2 2010	> Mercedes MBN 11123 2019-10	
> ISO 16750-2 2012	> Mercedes MBN 10284-2 2002	
> ISO 16750-2 2023	> Mercedes MBN 10284-2 2008	
> ISO 21498-2 2021	> Mercedes MBN 10284-2 2011	
> ISO 21498-2 2024	> Mercedes MBN 10284-4 2011	
> ISO 21848 2005	> Mercedes MBN 10615 2009.09	
> ISO 7637-1 1990-06	> Mercedes MBN 22100-2 1999	
> ISO 7627-2 1990	> Mercedes MBN LV 124-1 2011.03	
> ISO 7637-2 1999.02	> Mercedes MBN LV 124-1 2013.03	
> ISO 7637-2 2004	> Mercedes MBN LV 148 2013-11	

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List of Supported Standard Library	
> MFA2 PACK EMC TestSpec V1.0	> Renault 36-00-808N Mar. 2016
> Mitsubishi ES-X82010 Rev. O, 2001.12	> SAE J1113-2 1996
> Mitsubishi ES-X82114 2009.03	> SAE J1113-11 1995.06
> Mitsubishi ES-X82115 2009.03	> SAE J1113-11 2000.03
> NEXTEV Voltage Specification Ver1.0 2015	> SAE J1113–11 Rev.5, 2007.06
> NEXTEV NIO-TP.20.007	> SAE J1113-11 Dec 2018
> NEXTEV E10 E13	> SAE J1113-12 2006.08
> Nissan 28400 NDS03 [3] 2005.08	> SAE J1113-12 1994.12
> Nissan 28400 NDS02 [3] 1999.07	> SAE J1113-22 2003.11
> Nissan 28400 NDS 03 B-2	> SAE J1455 for trucks 1994-07
> Nissan 28400 NDS 03_2A 1997-01 A-1, A-2,	> SAE J1113-11 2012.01
B-1	> SAE J1455 2006.06 P5
> Nissan 28400 NDS 07 C300	> SAE J1455 2017-03
> Nissan 28400 NDS 07 C50	> SAE J 2139 2005.09
> Nissan 28400 NDS 07 C8	> SAE J2628 2007.07
> Nissan 28401 NDS02 [4] 2008.08	> Ssangyong SES E 922 2008.05
> Nissan 28401 NDS 02 [5] 2010	> SCANIA TB1400 P5
> Nissan 28401 NDS 02 [6] 2013-01	> SCANIA TB1700 P5
> Nissan 28401 NDS 02 [8] 2016-07	> SCANIA TB1901 P5
> Nissan EMC1_RNDS-C-00517_4	> SMTC 3800001 2014
> Nokia Proprietary	> SMTC 3800001 2017
> NIO TP.20.003-2019(Version2.1)	> SMTC 3800006-2020
> Peugeot B21 7090 Nov 1993	> TianJi QDK TE 4601-2019
> Peugeot B21 7090 1998.01	> Toyota TSC0502G 2016
> Peugeot B21 7110 2001	> Toyota TSC0506G 2019
> Peugeot B21 7110 2005	> Toyota TSC7001G Rev. 7, 2009.01
> Peugeot B21 7110 2008.07	> Toyota TSC7034G 2010.09 P5
> Peugeot B21 7110 F Apr. 2019	> Toyota TSC7034G 2019
> Peugeot B21 7110 Step 2015	>TS_TG1
> PSA B21 7110 Rev. D 2012-10	> UN ECE TSC7034G 2019
> Porsche EMV Lastenheft 2005.04 P5	> VDA 320 2015.01
> QCT 727 2007	> VG 96916-5 2013.08
> QDH-YA07-01-2019	> VG 96916-5 2013.08
> Q/DK TE 4601 2019	> VM Motor QWM J073013A-2019
> Renault 36-00-400 1998	> Volkswagen TL 82066 2001.09
> Renault 36-00-808 2004	> Volkswagen TL 82066 2004.10
> Renault 36-00-808K 2009.03	> Volkswagen TL 82066 2006.11
> Renault 36-00-808L 2010.12	
> Renault 36-00-808M 2012.07	



List of Supported Standard Library	
> Volkswagen TL 82366 1994.03	
> Volkswagen VW 80000 2009.10	
> Volkswagen VW 80000 2013 E15	
> Volkswagen VW 80000 2013.06	
> Volkswagen VW 80000 2017	
> Volkswagen VW 80101 2006.10	
> Volkswagen VW 80101 2009.03	
> Volkswagen VW80300 Oct 2016	
> Volkswagen VW80300 2021	
> Volkswagen VW TL 81000 2018	
> Volkswagen VW 80000 2021-01	
> Volkswagen OBD+Funktionsprüfung+V8	
> Volvo STD 515-0003 Ver.4 2009.10 P5b	
> Volvo STD 515-0003 Feb. 2017	
> XIAOMI QMAT5502 2023	
> XIAOMI QMAT550x-2024	
> YAMAHA	
> Empty high-pressure arbitrary pulse	
> Pulse 2c	
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List of support equipment	
APG Series	APS 40G15D
APG 40C40	APS 40G20D
APG 40C50	APS 40G30D
APG 40C60	APS 40G50D
APG 60C40	APS 40G100D
APG 60C50	APS 60C10
APG 60C60	APS 60C20
APG 60C80	APS 60C30
APG 60C100	APS 60C60D
APS Series	APS 60C100D
APS 40C05	APS 60E05D
APS 40C05D	APS 60E10D
APS 40C10	APS 60E15D
APS 40C15	APS 60E20D
APS 40C15D	APS 60E30D
APS 40C20	APS 60E50D
APS 40C20D	APS 60E100D
APS 40C30	APS 60F05D
APS 40C30D	APS 60F10D
APS 40C30SD	APS 60F15D
APS xxDRS	APS 60F20D
APS 40E05D	APS 60F30D
APS 40E10D	APS 60F50D
APS 40E15D	APS 60F60D
APS 40E20D	APS 60F100D
APS 40E30D	APS 60G05D
APS 40E50D	APS 60G50DR
APS 40E100D	APS 60G10D
APS 40F05D	APS 60G15D
APS 40F10D	APS 60G20D
APS 40F15D	APS 60G30D
APS 40F20D	APS 60G50D
APS 40F30D	APS 60G100D
APS 40F50D	APS 60H05D
APS 40F100D	APS 60H15D
APS 40G05D	APS 60H50D
APS 40G10D	APS 60H100D
APS 60H30D	APS 80C100D
APS 60H10D	APS 80D100DR

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APS 80E05D	LDS Series
APS 80E10D	LDS 200
APS 80E15D	LDS 200N100
APS 80E20D	LDS 200N30D
APS 80E30D	LDS 200N50D
APS 80E50D	LDS 200N75D
APS 80E100D	LDS 200N100D
APS 80F05D	LDS 200N200D
APS 80F10D	LDS 300N30D
APS 80F15D	LDS 300N50D
APS 80F20D	LDS 300N75D
APS 80F30D	LDS 300N100D
APS 80F50D	LDS 500P
APS 80F100D	LFS Series
APS 80G05D	LFS 300A
APS 80G10D	LFS 300B
APS 80G15D	LFS 300C
APS 80G20D	LFS 800
APS 80G30D	PFS Series
APS 80G50D	PFS 6030A
APS 80G50DR	PFS 60xxA
APS 80G100D	PFS 60xxA1
APS 80H05D	PFS 10060D
APS 80H10D	PFS 60100A2
APS 80H15D	PFS 60200A2
APS 80H20D	PAWG Series
APS 80H30D	PAWG 100D
APS 80H50D	PAWG 100F
APS 80H100D	AWG 100D
APS 80105D	AWG 100F
APS 80110D	RC Series
APS 80115D	RC 150C100
APS 80120D	TIS Series
APS 80130D	TIS 500P
APS 80150D	TIS 700
APS 801100D	TIS 700S
INR Series	TIS 700-60
INR 60	TIS 700-100



List of support equipment
TIS 700-200
TIS 700-100S
TIS 100C06
VOS Series
VOS 16C03
RSG Series
RSG xxCxx
EVTS Series
EVTS 150C10
EVTS 150C30
EVTS 150C06
LDV 21498
PSB 11500-60
EVPG Series
EVPG 20
EVDG Series
EVDG 20
HTS Series
HTS 150C30
AN Series
AN 150C30
HNS Series
HNS 200



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3ctest is always striving for product innovation and quality improvement.

Product appearance and technical specifications are subject to change without further notice.