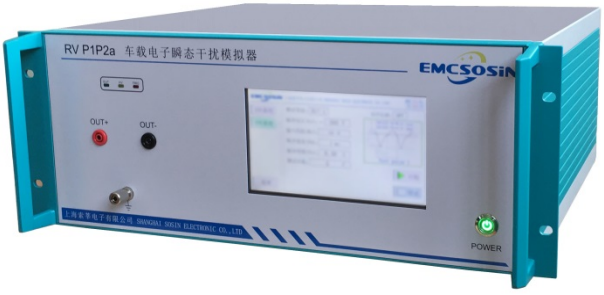
Automotive Electronic Transient Interference Simulator - RV P1P2a

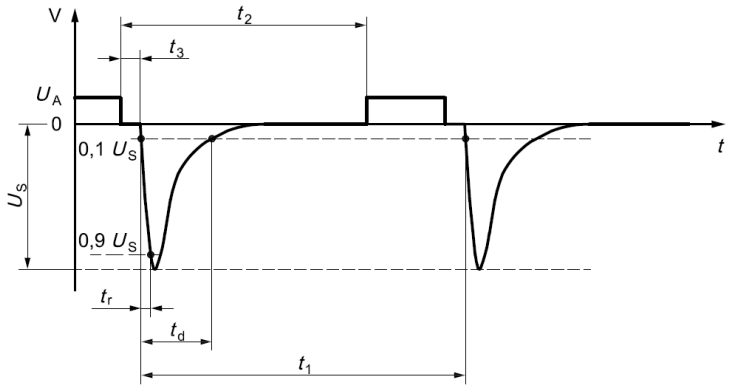
1.1.1 Overview

Road vehicle electronic transient interference simulator RV P1P2a, also called micro-pulse simulator. P1 is a transient phenomenon when the power supply is disconnected from the inductive load. It is suitable for the use of various DUT on the vehicle. The case of maintaining a direct parallel connection with the inductive load is a transient phenomenon caused by the sudden interruption of the current in the device connected with the DUT due to the inductance of the wire harness. Vehicle electronic transient interference simulator RV P1P2a fully meets the latest requirements of ISO 7637-2.

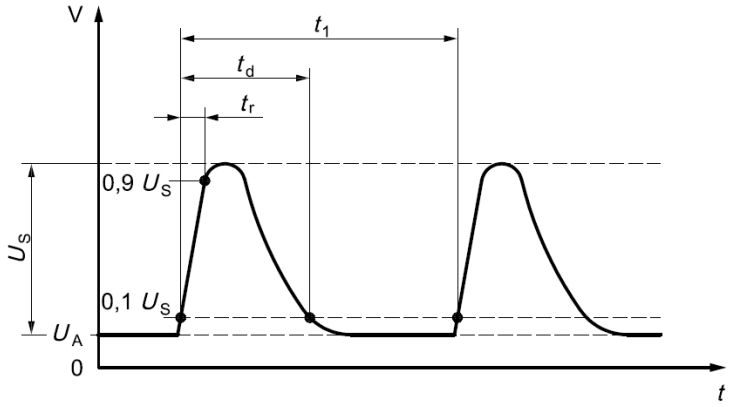
1.1.2 Picture



1.1.3 Output waveform



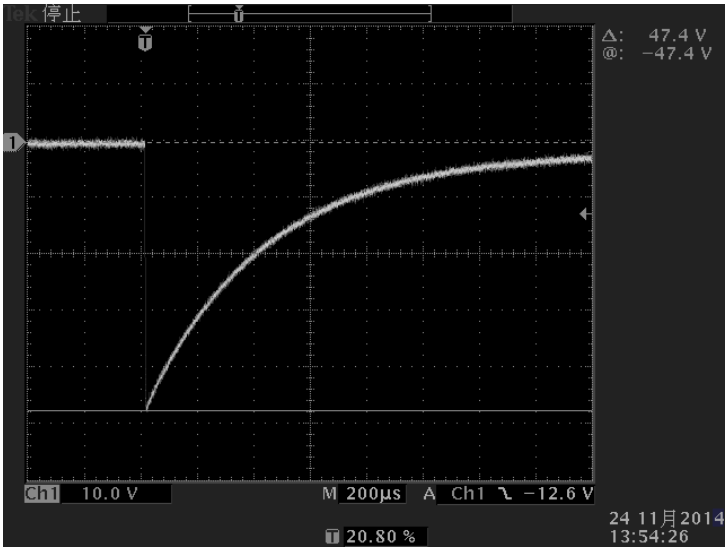
P1 output waveform



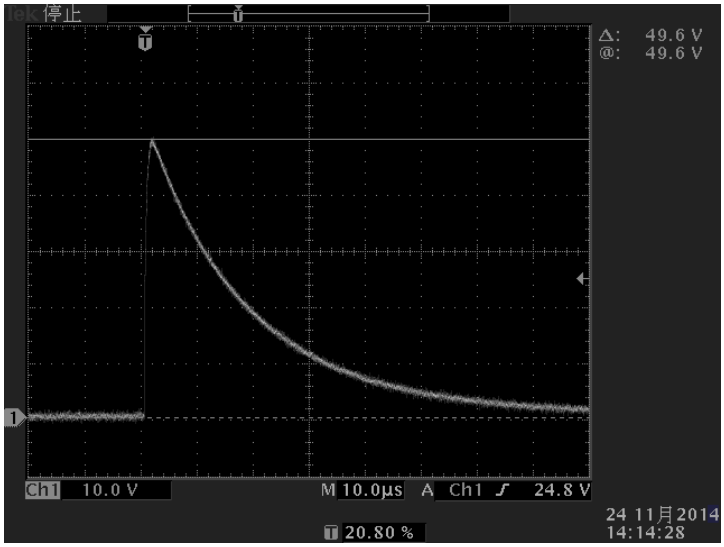
P2a output waveform

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1.1.4 Measured waveform



P1



P2a

1.1.5 Technical data

Model	RV P1P2a		
Waveform	P1(12V)	P1(24V)	P2a
EUT capacity	20A		
Output pulse voltage (µs)	0~ -660V		0~+660V
Input impedance (Ri)	2 Ω ,4 Ω 10 Ω ,30 Ω ,50 Ω		
Rise time (Tr)	0.5~1us(10 Ω)	1.5~3us(50Ω)	0.5~1us(2Ω)
Pulse width (Td)	50us,200us,300us,500us,1ms,2ms		
Pulse period (t1)	0.5~99.99s		0.2~99.99s
Count	1-9999		
Power supply	AC220V ± 10% 50/60Hz		
Ambient temperature	15 ℃ -35 ℃		

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