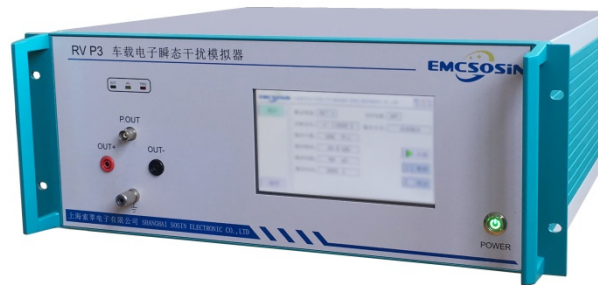


1.2 Automotive Electronic Transient Interference Simulator - RV P3

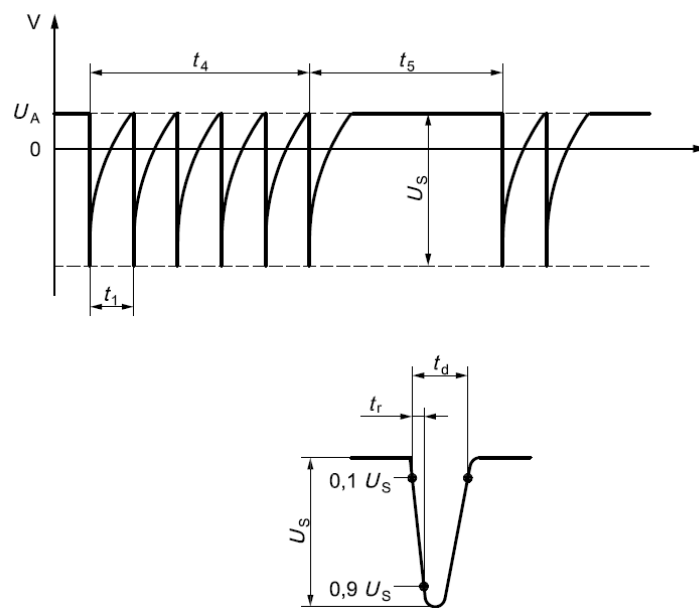
1.2.1 Overview

Road vehicle electronic transient interference simulator RV P3 is also called transient pulse simulator. P3a and P3b simulate transient phenomena caused by switching process. The characteristics of these transient phenomena are affected by the distributed capacitance and inductance of the wire harness. Vehicle Electronic transient interference Simulator RV P3 fully meets the latest requirements of ISO 7637-2.

1.2.2 Picture



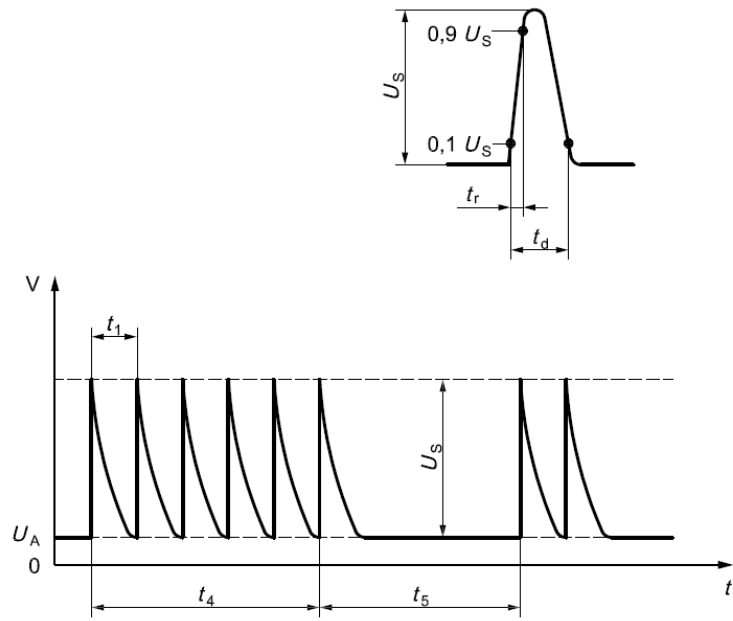
1.2.3 Output waveform



P3a

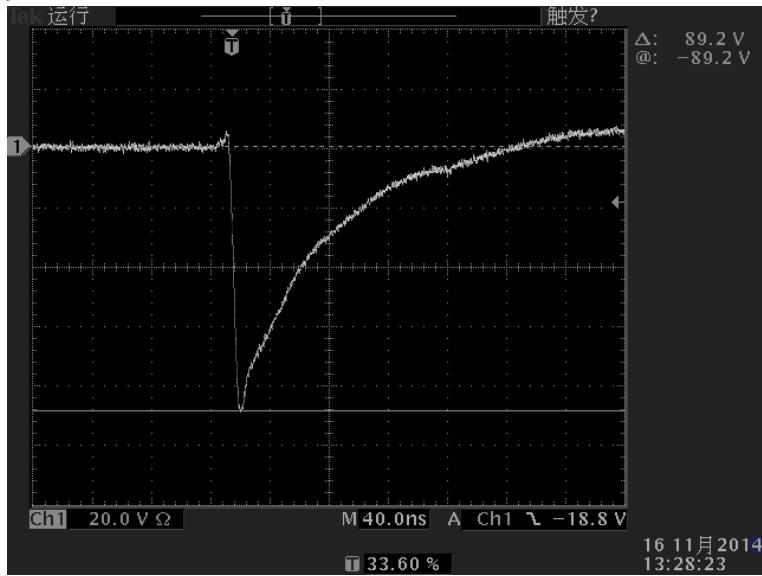
Cal Power

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info@calpower.it www.calpower.it

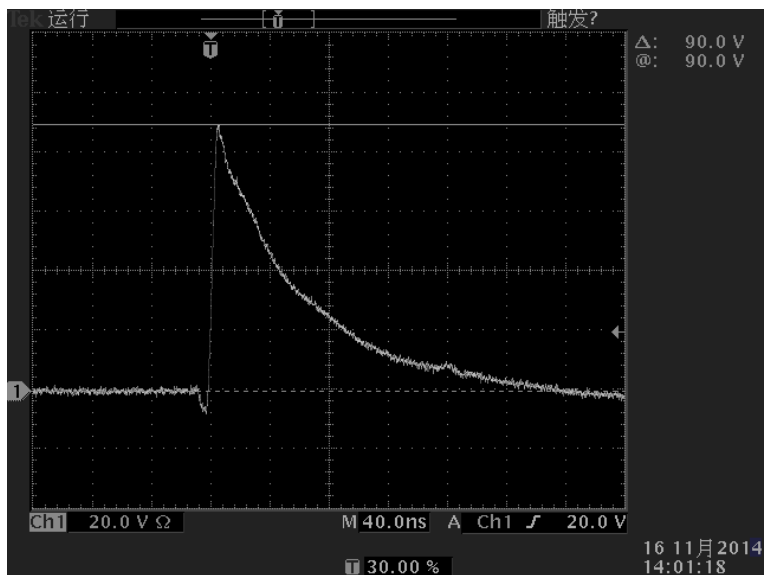


P3b

1.2.4 Measured waveform



P3a



P3b

1.2.5 Technical data

Model	RV P3
Output voltage (μ s)	5 ~ \pm 1000V
Input impedance (Ri)	50 Ω
Polarity	+, -
Pulse width (Td)	150ns \pm 50ns
Rise time (Tr)	5ns \pm 1.5ns
Pulse frequency	1kHz ~ 300kHz; 10kHz
Pulse interval (T1)	100us
Pulse length (T4)	1ms ~ 100ms
Pulse group interval (T5)	0.02s ~ 99.99s
CDN	Interval, 25A
Test time	1~9999s
Power supply	AC220V \pm 10% 50/60Hz
Ambient temperature	15 $^{\circ}$ C ~ 35 $^{\circ}$ C

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