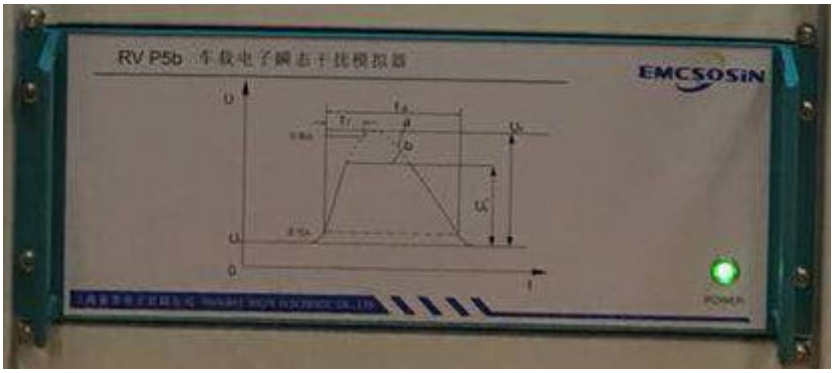
1.3 Automotive Electronic Transient Interference Simulator - RV P5, RV P5b

1.3.1 Overview

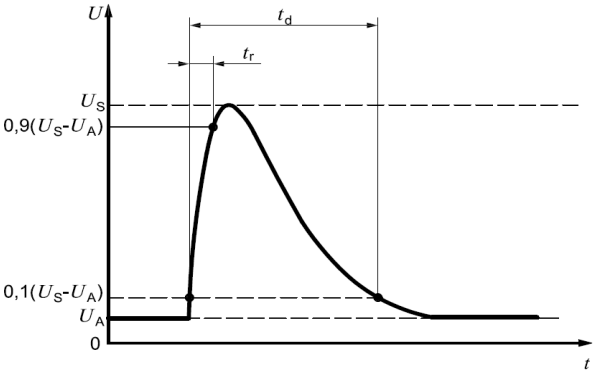
The vehicle electronic transient interference simulator RV P5 & RV P5b are also called the load throwing simulator. P5 is the transient phenomenon of the load throwing. While the battery is disconnected, the AC generator is generating the charging current while the generator circuit is still under other loads. Vehicle electronic transient interference simulator RV P5 & RV P5b fully meet the latest requirements of ISO 16750.

1.3.2 Picture



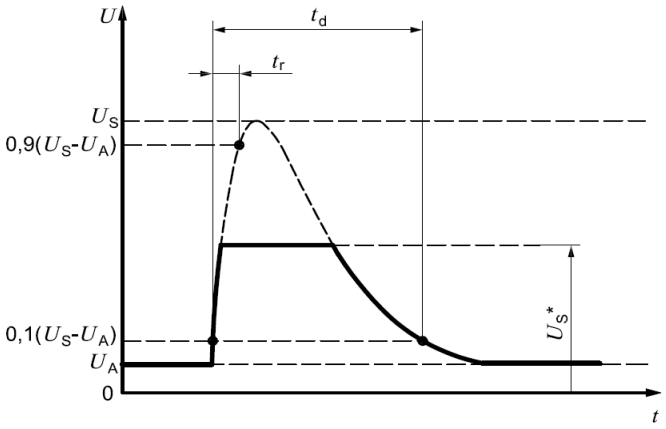


1.3.3 Output waveform



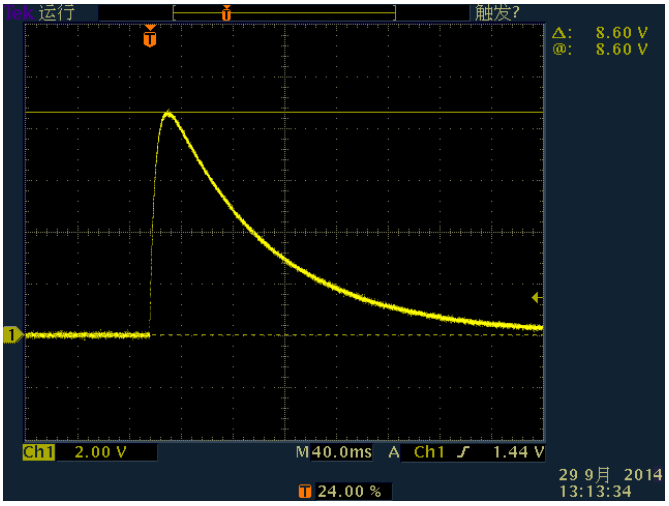
P5a

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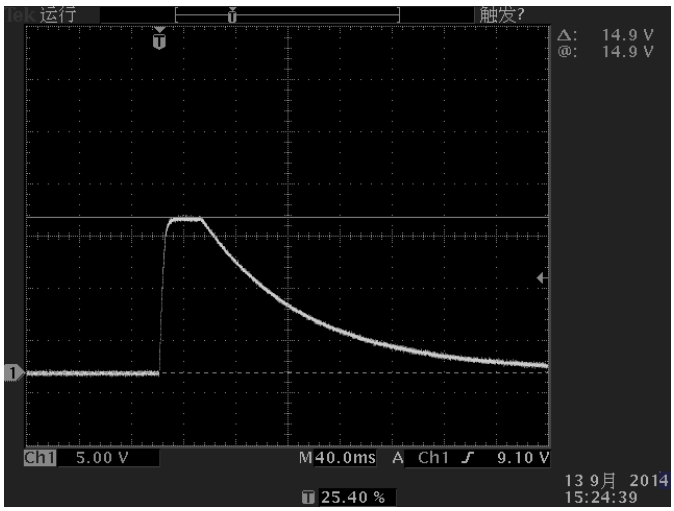


P5b

1.3.4 Measured waveform



P5a



P5b

1.3.5 Technical data

Model	RV P5

P5a	12V	24V
Pulse voltage (μs)	40 ~ 102V	100 ~ 202V
Input impedance ($R_{i)}$	0.5Ω~8Ω	
Pulse width ($t_{d)}$	40ms ~ 400ms	
Rise time ($t_{r)}$	5ms ~ 10ms	
Pulse interval (t1)	30 ~ 9999s	
Count	1 ~ 9999次	

Model	RV P5b	
P5b	12V	24V
Pulse voltage (μs)	40 ~ 102V	100 ~ 202V
Clamp voltage (μs1)	20 ~ 102V	20 ~ 202V
Input impedance ($R_{i)}$	0.5 ~ 8Ω	
Pulse width ($t_{d)}$	40ms ~ 400ms	
Rise time ($t_{r)}$	5ms ~ 10ms	
Pulse interval (T1)	30 ~ 9999s	
Count (N)	1 ~ 9999次	
EUT capacity	20A	
Power supply	AC220V±10% 50/60Hz	

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