

Vehicle Micro-Pulse Generator **TIS 300**



- QC/T 727
- JASO D001-94

Features

- > 5.7-inch color TFT touchscreen front panel operation
- > Max. pulse amplitude (V_p): 300 V
- > CN25 and CAN internal bus transmit DUT supply voltage signals to the power supply and support communication with third-party devices.

Introduction

The TIS 300 is a dedicated device designed for testing instruments used in automobiles and motorcycles, fully complying with the test requirements for Waveforms A2, B2 and C2 specified in standard QC/T 727-2007, as well as Waveforms A2, B2 and D2 defined in JASO D001-94.

It supports quick and accurate test levels set and relevant tests via the touchscreen menu and function keys.

Application Areas



Technical Parameters

Waveform A2	
Pulse Amplitude (V_p)	30 V ~ 200 V, $\pm 10\%$
Rise Time (T_r)	$\leq 1 \mu s$
Time Constant (T)	2.5 μs
Output Resistance (R_1)	0.4 Ω
Pulse Repetition	1/30 Hz
Counter	10
Polarity	+
Waveform B2	
Pulse amplitude (V_p)	30V ~ 300V, $\pm 10\%$
Rise Time (T_r)	$\leq 1 \mu s$
Time constant (τ)	2,000 μs
Output resistance (R_1)	80 Ω
Pulse Repetition	1/30 Hz
Counter	100
Polarity	-
Waveform C2 (D2)	
Pulse Amplitude (V_p)	30V ~ 200V, $\pm 10\%$
Rise Time (T_r)	$\leq 1 \mu s$
Time Constant (T)	2.5 μs
Output Resistance (R_1)	0.9 Ω
Pulse Repetition	1/30 Hz
Counter	10
Polarity	+

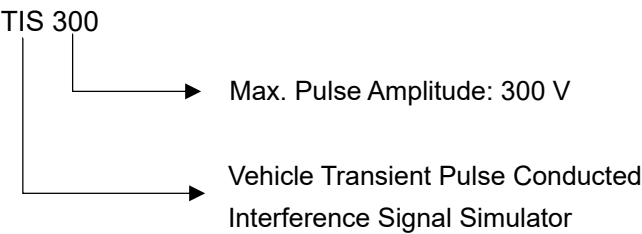
General Parameters

Supply Voltage	AC 110/220 V, $\pm 10\%$, 50 Hz ~ 60 Hz, $\pm 5\%$
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa
Dimension	4U rack, 450 mm (W)*190 mm (H)*620 mm (D)
Weight	Approx. 30 kg

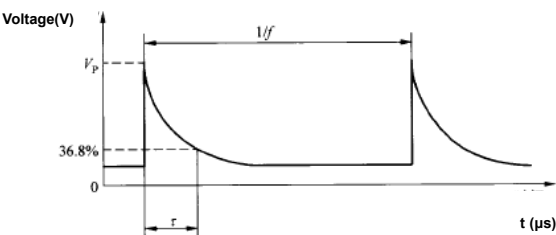
Standard Accessories

Test Cable, User Manual, Power Cord, Fuse

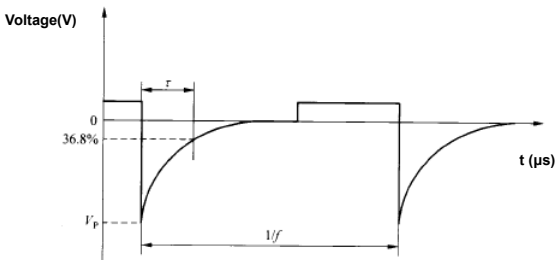
Name Rules



Waveform Diagram



Interference voltage waveform A, C, D



Interference voltage waveform B

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