



Automobile Micro-pulse Generator **TIS 700S+MC 700S**

- JASO-D001
- NISSAN 28400 NDS03
- NISSAN 28400 NDS07
- SAEJ1455

Features

- > 5.7-inch colorful touchscreen front panel operation
- > Modular plug-in design with 10 built-in modules; customized waveform modules available
- > CAN25 and CAN internal buses enable DUT power voltage signal transmission to the power supply and communication with third-party equipment
- > Ethernet and RJ45 interfaces support PC remote control and test report printing

Introduction

The TIS 700S is capable of independently performing fully compatible automotive electronics micro-pulse tests. Featuring a modular design, it includes 10 waveform modules: JASO D001 Pulse A2, B2, and D2; NISSAN 28400 NDS03 Pulse B2; NISSAN 28400 NDS07 Pulse C8, C50, and C300; and SAE J1455 mutual induction and self-induction pulses; YAMAHA pulse YAMAHA-M01. The 10 modules can be freely configured, and customized waveform modules are available upon request.

With touchscreen menu operation and function keys, the TIS 700S enables users to quickly and accurately edit test levels and perform related tests.

Application Areas



Technical Parameters

NISSAN 28400 NDS03 B2

Pulse Amplitude V_p	200 V ~ 400 V $\pm$ 10%
Time Constant	3,300 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	75 Ω
Repetition Time	3 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180 mm

NISSAN 28400 NDS07 C8

Pulse Amplitude V_p	200 V ~ 400 V $\pm$ 10%
Time Constant	500 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	450 Ω
Repetition Time	3 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

NISSAN 28400 NDS07 C50

Pulse Amplitude V_p	200 V ~ 400 V $\pm$ 10%
Time Constant	1,000 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	30 Ω
Repetition Time	3 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

NISSAN 28400 NDS07 C300

Pulse Amplitude V_p	200 V ~ 400 V $\pm$ 10%
Time Constant	3,300 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	100 Ω
Repetition Time	3 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

Technical Parameters

SAEJ1455 Self-Induction Pulse

Pulse Amplitude V_p	200 V ~ 600 V $\pm$ 10%
Time Constant	1,000 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	20 Ω
Time Constant	1,000 μ s
Repetition Time	1 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180 mm

SAEJ1455 Mutual Induction Pulse

Pulse Amplitude V_p	200 V ~ 600 V $\pm$ 10%
Time Constant	15 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	50 Ω
Repetition Time	1 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

JASO-D001 A2

Pulse Amplitude V_p	100 V ~ 300 V, $\pm$ 10%
Time Factor	2.5 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	0.4 Ω
Repetition Time	3 ~ 99 s
Polarity	+
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

JASO-D001 B2

Pulse Amplitude V_p	200 V ~ 400 V $\pm$ 10%
Time Factor	2,000 μ s
Rise Time $T_r(V_p)$	≤ 1 μ s
Internal Impedance	80 Ω
Repetition Time	3 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

Technical Parameters

JASO-D001 D2	
Pulse Amplitude V_p	100 V ~ 300 V $\pm$ 10%
Time Factor	2.5 μ s
Rise Time $T_r (V_p)$	$\leq$ 1 μ s
Internal Impedance	0.9 Ω
Repetition Time	1 ~ 99 s
Polarity	+/-
Burst	1 ~ 9,999
Weight	1 kg
Dimension	95*170*180mm

General Parameters

Working Voltage	AC 110/220V, $\pm$ 10%, 50/60 Hz $\pm$ 5%
Fuse	6 A
Max. Power Consumption	300 W
Grounding Method	Flat grounding wire
Dimension	TIS 700S: 4 U rack, 450*190*620 mm MC 700S: 4U rack, 450*190*550 mm
Weight	Approx. 20 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Test Cable, Fuse, User Manual, Grounding Wire, Power Cord

Optional Accessories

1	Immunity Test Software	Model: AutoLab > Support Windows 7/8/10 /11 > Supports parameter sequence, test sequences, easy for operation > Supports customer information configuration and automatic test report printing.	
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