

## Fast Damped oscillatory wave simulator

## DOS 400F



### As per standards

- > IEC 61000-4-18
- > IEC 255-22-1
- > GB/T 14598.13
- > ANSI C37.90

### Summary

DOS 400F Fast Damped Oscillatory Wave Simulator can meet the oscillation frequency 3MHz/10MHz/30MHz, test voltage up to 4kV. The oscillatory wave is the repeatable transient phenomenon produced on the high or medium supply line, control line and signal line. DOS 400F can perform the tests of fast damped oscillatory wave as per IEC 61000-4-18.

### Feature

- > 5.7 inch Colorful touch screen operation
- > Oscillation frequency 3MHz/10MHz/30MHz, test voltage up to 4.2kV
- > Internal three phase CDN, max. current up to 16A
- > Optional for external three phase CDN up to 32A
- > LAN Ethernet interface, can be used for remote control
- > Meet the requirements of immunity test equipments for enterprise, institution and testing organization.

### Application

- > Communication
- > Telecom
- > Medical
- > Broadcast and TV
- > Railway
- > Information technology
- > Military
- > Aviation
- > New energy and power

Technical parameters	
Test voltage	0.5kV -4kV , $\pm 10\%$
Polarity	+/-
Source impedance	50ohm $\pm 20\%$
Rise time of voltage waveform	5ns $\pm 30\%$
Oscillatory frequency	3MHz/10MHz/30MHz $\pm 10\%$
Attenuation	Peak 5 > Peak 1的50% Peak 10 < Peak 1的50%
Repetition frequency	Max.5000/s $\pm 10\%$
Burst duration	50ms $\pm 20\%$ @3MHz 15ms $\pm 20\%$ @10MHz 5ms $\pm 20\%$ @30MHz
Burst period	300ms $\pm 20\%$
Short circuit current	10 -80A $\pm 20\%$
Rise time of current waveform	3MHz < 330ns 10MHz < 100ns 30MHz < 33ns
Attenuation	Peak 5 > Peak 1的25% Peak 10 < Peak 1的25%
Trigger mode	Auto, manual and external
Synchronization	0° - 360°; 1° step or random
CDN	Internal three phase CDN: AC 380V 16A Max: AC 450V DC 300V 16A

General parameters	
Display screen	5.7 inch TFT touch screen
Working power supply range	AC 110V/220V , $\pm 10\%$ , 50/60Hz( default AC 220V 50Hz for China mainland)
Fuse	6A
Max. power consumption	100W
Working status display	Front panel LED indication, LCD display
Size	19 inch/6U
Weight	Approx. 50Kg
Temperature range	15-35°C
Humidity range	45%-75%
Air pressure	86kPa-106kPa
Standard equipped	
Fast damped oscillatory wave simulator 1PCS, test wires, grounding wires, fuse, factory inspection report, warranty and user manual	



## SUZHOU 3CTEST ELECTRONIC CO., LTD

### Headquarter

Unit 2, Anda Industrial park, Jinshan Rd, SND, Suzhou,  
215011, China  
Tel: +86-512-68413700/3800/3900  
Fax: +86-512-68079795  
http://www.3ctest.cn  
Email: info@3ctest.cn

### BEIJING OFFICE

Room D 206, D block, Keshi Building, No.28, Shangdixinxi  
Road, Haidian District, Beijing, China  
Tel: +86-010-82899984/82899948  
Fax: +86-010-82899943

### CHENGDU OFFICE

Room 1501, Unit 3, Ideal Centre, No.38 Tianyi Street, SND,  
6100085, Chengdu, China  
Tel: +86-028-85327800  
Fax: +86-028-85311400

### SHENZHEN OFFICE

Room 805, Huawei Building, Xili Chaguang Road, Nanshan  
District, Shenzhen, China.  
Tel: +86-755-86626625/86344313  
Fax: +86-755-26966255

### Xi'an Office

Add.: Room 2204, Visa Yinghai Building, Green land Central  
Plaza, Jinye Road, Crossig of Zhangbasan Road, High-tech  
district, Xi'an city, China.  
Tel: +86-029-68985077/68985700  
Fax: +86-029-68717677



### TAIWAN OFFICE

RICHTEC INSTRUMENTS CO., LTD  
6F-5, No.130, Ln.235, Baoqiao Rd, Xindian District, New  
Taipei City, 23145, Taiwan  
Tel: +886-2-89121185 Fax: +886-2-89121812  
Email: rich.tec@msa.hinet.net  
http://www.richtec.com.tw



### TESTEK Co.,LTD

Address: 601Ho, SungwoonKoa, 141 Hyeonam-ro,  
Suji-Gu, Yongin-Si, Gyeonggi-Do, 448-808  
Tel: 070-4099-2072/H.P : 010-6500-6648  
Email: woo@testek.co.kr  
http://www.testek.co.kr , www.3ctest.co.kr



### Quantel Pte Ltd

Address: 46 Lorong 17 Geylang #05-02  
Enterprise Industrial Building  
Singapore 388568  
Tel: +65 6745 3200  
Email: info@quantel-global.com  
https://www.quantel-global.com



### European Agency

Europe: AR Europe  
Yvonne McGlinchey  
ymcglinchey@ARWorld.US  
+353 61 504300  
Address: First Floor Ashling Building, National Technology  
Park, Limerick, Ireland