

Automatic Multifunctional Lightning Surge Immunity Test Station

CWS 2000TS

Datasheet



In Compliance with

- > IEC 61000-4-5
- > GB/T 17626.5
- > IEC 61643-1
- > ITU K44
- > ITU K45
- > ITU-K21

Introduction

Automatic Multifunctional Lightning Surge Immunity Test Station – CWS 2000TS is designed in accordance IEC 61000-4-5, GB/T 17626.5 etc for performing surge immunity tests. Its max pulse voltage is 20 kV, and its max pulse current is 20 kA.

Designed with the 3rd generation smart control platform, CWS 2000TS achieves great human-machine interactions with unique color touch screen, simple operation with easy test scheduling , parameters setting and automatic execution. It boasts of high level system integration, intelligent control, easy operation and time-saving.

Features

- > 5.7" color touch screen front panel
- > In compliance with IEC 61000-4-5, GB/T 17626.5 etc
- > Warning system: automatic detection of plenty errors
- > Remote control with LAN interface port
- > Enhanced safety with built-in
- > 19" standard cabinet

Application Areas

- > IT
- > Telecom
- > Medical
- > TV Broadcasting
- > Railway
- > Military
- > Avionics
- > New energy
- > New energy automotive

| Technical Parameters | |
|---------------------------------------|------------------------------------|
| Waveform 1.2/50 μ s, 8/20 μ s | |
| Open-circuit voltage | 2~20 kV \pm 10% |
| Output voltage waveform | 1.2 \pm 30%、50 μ s \pm 20% |
| Output impedance | 2 Ω |
| Output short-circuit current | 1~10 kA \pm 10% |
| Output current waveform | 8/20 μ s \pm 20% |

| Pulse Current Module (8/20 μ s) | |
|-------------------------------------|------------------------|
| Charging voltage | 2-10 kV |
| Output voltage waveform | 8/20 μ s \pm 20% |
| Output impedance | 0.5 Ω |
| Output short-circuit current | 4~20 kA \pm 10% |

| Pulse Current Module (10/350 μ s) | |
|---------------------------------------|--|
| Charging voltage | 2-10 kV |
| Output current waveform | 10 (-10%+100%) , 350 μ s \pm 20% |
| Output impedance | 13 Ω |
| Output short-circuit current | 0.15-0.75 kA |

| Pulse Current Module (10/1000 μ s) | |
|--|--|
| Charging voltage | 2-10 kV |
| Output current waveform | 10 (-10%+100%) /1000 μ s \pm 20% |
| Output impedance | 40 Ω |
| Output short-circuit current | 0.1-0.25 kA |

| Pulse Voltage Module (1.2/50 μ s) | |
|---------------------------------------|---------------------------------|
| Charging voltage | 2-20 kV \pm 10% |
| Output voltage waveform | 1.2/50 μ s |
| Output impedance | 500 Ω (to be customized) |

| General Parameters | |
|----------------------|--|
| Triggering mode | Synchronous/asynchronous; Automatic/manual; Capable of single triggering |
| Working power | AC 110 V / 220 V ,(±10%), 50/60 Hz |
| Working temperature | 15-35 $^{\circ}$ C |
| Working humidity | 45%-75% |
| Working air pressure | 86 kPa - 106 kPa |
| Dimension | 19"/35U (600x800x1820) |

| Standard Accessories | |
|------------------------------------|--|
| CWS 2000TS station 19" cabinet x 2 | |
| Manual x 1 | |
| Factory Inspection Report x 1 | |
| Quality Guarantee x 1 | |
| Testing Wire x 1 | |
| Power supply cable x 1 | |
| Fuse x 1 | |

| Optional Accessories | |
|---------------------------|--|
| Oscilloscope | MDO 3012 |
| Wide-band Current Monitor | CM 0220M |
| CDN | 3 phase or single phase CDN, e.g. SPN 3820T20M, AC 380 V 20 A, 20 kV, Manual superimposing |



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