

Conducted Common Mode Test Equipment

CLF-1619ST 【Introduction】

The CLF-1619ST Conducted Common Mode Interference Test Equipment Short-time Module is developed and produced to meet the transient testing requirements of IEC 61000-4-16. In conjunction with a coupling network, it can fulfill the testing demand for an injection voltage of 330V. The equipment complies with the short-time mode tests conducted at four frequency points of DC, 16 and 60Hz as specified in IEC/EN 61000-4-16. Various testing accessories, such as coupling transformers, coupling/decoupling networks, and related modules, can cater to different testing needs.

Compliance Standards

IEC 61000-4-16

Application Fields

Conducted common-mode disturbance immunity test for power supply, control/signal, and commu

Technical Features

- ◆ Integrated design with a built-in signal generator and audio power amplifier;
- ◆ Software-controlled to automatically complete calibration and testing;
- ◆ The main unit is compatible with multiple testing requirements.

Parameter List

Specification	CLF-1619ST
Short-time Mode	
Test Frequency	DC、16 $\frac{2}{3}$ Hz、50 Hz、60 Hz
Open-circuit Voltage	10 V-330 V
Signal Level	(1-330)V rms or DC
Output Impedance	50 Ω ±10%
THD	< 10%(Sine wave)
DC Ripple	< 5%
Test Level 1	10 V, lasting for 1 s

Test Level 2	30 V, lasting for 1 s
Test Level 3	100 V, lasting for 1 s
Test Level 4	300 V, lasting for 1 s
Phase Synchronization	0° ±5%
Fall/Rise Time	1 μs-5 μs