

HYDRAULIC TILT AND SWING TESTER

YTS series Hydraulic Tilt and Swing Tester simulates various mechanical, electrical and electronic products installed on ships, waterplane and other equipment, and conducts swing and tilt tests to determine the ability and structural integrity of the products to withstand severe swing and tilt requirements.

Features

- Based on a stable Windows operating system, the operator only needs to enter simple values to accurately complete tilt and swing tests.
- The operation interface is mainly based on the real-time display of data curves, and can also display test parameters, system status, and test progress.
- It can achieve functions such as sine wave signal, self-closed-loop adjustment, various function control and alarm prompt. It can also perform pitch and roll functions on the same platform.



System Model		YTS-100	YTS-300	YTS-500	YTS-1000	YTS-1500	YTS-2000	YTS-3000	YTS-5000
Max. Payload (kg)		100	300	500	1,000	1,500	2,000	3,000	5,000
Specimen Center Height (mm)		300	300	500	500	500	700	700	700
Roll	Amplitude	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
	Period	3-30s	3-30s	3-30s	3-30s	3-30s	3-30s	3-30s	3-30s
Pitch	Amplitude	±30°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
	Period	4-30s	4-30s	4-30s	4-30s	4-30s	4-30s	4-30s	4-30s
Yaw	Amplitude	±5°	±5°	±5°	±5°	±5°	±5°	±5°	±5°
	Period	5-20s	5-20s	5-20s	5-20s	5-20s	5-20s	5-20s	5-20s
Roll Angle		±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Pitch Angle		±30°	±30°	±30°	±30°	±30°	±30°	±30°	±30°
Working Table Size (mm)		800×800	1,000×1,000	1,200×1,200	1,500×1,500	1,500×1,500	1,800×1,800	1,800×1,800	2,000×2,000
Total System Power (kVA)		20	22	37	45	55	65	74	110
Power Supply		3 phase, 380-480V AC, 50/60Hz							
Environment Requirement		Temperature range 0~40 ; Humidity 80%, non-condense							
Standard		MIL-STD-810, IEC 60068-2							