

HF-WC-605

Switchgear Mechanical Characteristic Analyzer



As a professional Chinese supplier, we provide high-precision Switchgear Mechanical Characteristic Analyzers. The equipment accurately tests closing time, stroke and bounce of HV switches. We support customized configurations and deliver free technical guidance and comprehensive after-sales service to global power clients.

Key features

- Comes standard with linear transducers, rotary angle transducers, mounting brackets and multi-functional fixed adapters for quick, easy installation.
- 12 channels for inherent opening & closing time
- Opening/closing pole asynchronous time
- Inter-pole asynchronous difference during opening & closing
- Closing & opening bounce time (bounce count)

Technical specifications

Parameter	Value
Compatible with all domestic & imported switches	SF6 switches, GIS combined electrical apparatus, vacuum switches and oil circuit breakers.
Asynchronous period range	0.10ms ~ 99ms, resolution: 0.01ms
Internal trigger test range	0.10ms ~ 999ms, resolution: 0.01ms
Range 1000ms ~ 9999ms	resolution 0.1s; 10000ms ~ 200000ms: resolution 1ms
External trigger test range	0.01ms ~ 200s
Accuracy	±0.05%FS ±0.1ms
Linear transducer	0.001 ~ 20.0 m/s, precision: ±0.1m/s
345° angle transducer	0.01 ~ 25.0 m/s, precision: ±0.1m/s
Rotary transducer (345°)	range 0~1000mm, resolution 0.08°; 15° dead zone exists, valid working angle: 160~200°
Acceleration transducer	range 0~300mm, resolution 0.1mm, accuracy: ±(1%FS+0.2)mm

Standard scope of supply

No.	Item	Qty	Notes
1	Main Unit of Circuit Breaker Analyzer	1 Set	Built-in industrial computer, 15-inch touch screen
2	Linear Displacement Transducer	1 Set	For stroke & speed measurement
3	Rotary Angle Transducer	1 Set	Angle & travel testing
4	Special Mounting Brackets & Fixing Adapters	1 Set	Universal installation accessories
5	High Voltage Test Connecting Cables	1 Set	Signal & coil current test wires
6	Power Cord	1 Piece	AC220V power supply line
7	External Trigger Cable	1 Piece	External triggering connection
8	English User Operation Manual	1 Copy	Detailed operation guide
9	Factory Calibration Certificate	1 Copy	For overseas project acceptance
10	Portable Shockproof Protective Case	1 Piece	Export transportation packaging

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.