

HF-TC-631

Corrosive Sulfur Tester



Corrosive Sulfur Tester strictly follows IEC 62535 and ASTM D1275 standards. It conducts constant-temperature accelerated aging tests to detect corrosive sulfur inside transformer insulating oil, assess oil corrosion grade, prevent copper winding corrosion and copper sulfide deposition, so as to eliminate hidden insulation risks for oil-filled power transformers.

Key features

- Heating Rate: Reaches 165°C within 10 minutes
- Sample Capacity: 6 holes / optional 28 holes
- Test Tube Volume: 20ml; inner neck diameter $\geq 12\text{mm}$, equipped with silicone rubber sealing gasket and metal cap
- Cap Opening & Closing Pliers: For tightening and loosening metal caps of sample bottles
- Insulating Paper: In accordance with GB 7969; density: $0.79 \sim 0.859 \text{ g/cm}^3$, thickness: $0.060 \sim 0.100 \text{ mm}$, air permeability: $0.59 \text{ m}^3/(\text{Pa}\cdot\text{s}) \sim 2 \text{ m}^3/(\text{Pa}\cdot\text{s})$, nitrogen content: 0%

Technical specifications

Parameter	Value
Display	3.5-inch color capacitive touch screen
Heating Rate	Reaches 165°C within 10 minutes
Sample Capacity	6 holes / optional 28 holes
Test Tube Volume	20ml; inner neck diameter $\geq 12\text{mm}$, equipped with silicone rubber sealing gasket and metal cap
Copper Strip	Made of T2 copper per GB/T 3952 standard; oxygen content $\leq 0.4\%$ by mass, purity 99.9%. Complies with TBR type in GB/T 5584. Unvarnished copper strip: thickness 1~2mm, width 1~12mm, conforming to GB/T 5584.1
Insulating Paper	In accordance with GB 7969; density: $0.79 \sim 0.859 \text{ g/cm}^3$, thickness: $0.060 \sim 0.100 \text{ mm}$, air permeability: $0.59 \text{ m}^3/(\text{Pa}\cdot\text{s}) \sim 2 \text{ m}^3/(\text{Pa}\cdot\text{s})$, nitrogen content: 0%
Temperature Control Range	Ambient temperature $\sim 200^\circ\text{C}$ (adjustable manually)
Temperature Control Accuracy	$\pm 0.5^\circ\text{C}$
Timing Range	0~96 hours (freely configurable)
Overall Dimensions	245mm $\times$ 163mm $\times$ 192mm (L $\times$ W $\times$ H)
Weight	Main unit $< 2.5 \text{ kg}$
Power Consumption	400 W
Ambient Temperature	$5 \sim 40^\circ\text{C}$
Relative Humidity	$\leq 85\%$ (no condensation allowed)
Power Supply	AC 220(± 22)V, 50(± 0.5)Hz

Standard scope of supply

No.	Item	Qty	Notes
1	Main Instrument Host	1 Set	With 3.5-inch color touch screen
2	Standard Test Tubes (20ml)	28 Pcs	With silicone gaskets & metal caps
3	Copper Flat Test Strips (T2 Copper)	1 Pack	Standard size for corrosion test
4	Specified Insulating Test Paper	1 Pack	Compliant with GB 7969 standard

No.	Item	Qty	Notes
5	Cap Opening & Closing Pliers	1 Pc	For tightening/loosening bottle caps
6	Power Connection Cable	1 Pc	AC220V power cord
7	English & Chinese Operation Manual	1 Copy	Complete operation & parameter guide
8	Factory Calibration Certificate	1 Copy	Official quality certification document
9	Spare Silicone Sealing Gaskets	1 Pack	Consumables for replacement
10	Shockproof Portable Packaging Case	1 Pc	For transportation protection

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.