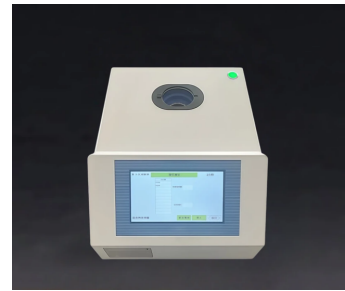


HF-TC-632

XRF Sulfur Analyzer



XRF Sulfur Analyzer utilizes X-ray fluorescence principle to rapidly measure total sulfur content in transformer insulating oil and petroleum fuels. It features non-destructive testing, fast response and easy operation, helping power staff monitor oil quality and avoid copper winding corrosion caused by excessive sulfur compounds.

Key features

- Integrated mechatronic structure with concise and elegant appearance.
- Supports diverse test samples, wide measurement range, rapid analysis and low consumption of standard samples.
- Adopts fluorescence intensity ratio comparative method; automatically compensates temperature & atmospheric pressure, and corrects C/H ratio.
- Equipped with large LCD screen for human-machine interaction; audio alarm will trigger once operation errors occur.
- Built-in automatic diagnosis system; judges equipment working status and electrical parameters via spectrum counting & energy spectrum measurement.

Technical specifications

Parameter	Value
Measuring Range	7ppm ~ 5%
Repeatability	$r < 0.2894(S+0.1691)$
Reproducibility	$R < 0.1215(S+0.05555)$
Sample Oil Volume	2~2.5ml (equivalent to 4~5mm oil film thickness)
Test Duration	Optional 60, 120, 240, 300, 600 seconds
Calibration Curves	Stores up to 9 curves (5 linear curves + 4 quadratic parabola curves)
Operating Conditions	Temperature 5~40°C; Relative Humidity $\leq 85\%$ (at 30°C)
Power Supply	AC 220V $\pm$ 20V, 50Hz or DC 12V; Rated Power: 30W
Overall Dimension & Weight	380mm $\times$ 238mm $\times$ 180mm; Net Weight: 7kg

Standard scope of supply

No.	Item	Qty	Notes
1	XRF Sulfur Analyzer Main Unit	1 Set	Integrated mechatronic host with LCD display
2	Disposable Mylar Film Sample Cups	1 Box	Prevent cross contamination for oil sample testing
3	Special Sample Pressing Fixture	1 Pc	For making standard oil samples
4	Anti-oil Spare Accessories	1 Set	Anti-leak components for replacement
5	Thermal Printing Paper Rolls	3 Roll	For built-in thermal printer
6	RS232 Serial Communication Cable	1 Pc	Connect instrument to computer
7	AC Power Cord	1 Pc	220V power supply wire
8	User Manual (Chinese & English)	1 Book	Complete operation & calibration guide
9	Factory Calibration Certificate	1 Copy	Official test qualification document
10	Shockproof Protective Carry Case	1 Pc	For safe transportation

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.