

TRANSFORMER OIL CORROSIVE SULFUR TESTER



Transformer Oil Corrosive Sulfur Tester TT-1275

Transformer Oil Corrosive Sulfur Tester TT-1275 conforms to ASTM D1275 Standard Test Method for Corrosive Sulfur in Electrical Insulating Oils. Insulating oils are often in continuous contact with metals prone to corrosion. The presence of corrosive sulfur compounds leads to the deterioration of these metals. The extent of this deterioration depends on the quantity and type of corrosive agent, as well as time and temperature factors. Detecting these harmful impurities, even without quantitative values, helps identify the associated risks.

APPLICATIONS

The Torontech TT-1275 is used to perform the ASTM D1275 test, a critical qualitative analysis to detect the presence of corrosive sulfur compounds in electrical insulating oils. This test is essential for identifying oils that can chemically attack and degrade internal metal components, such as copper windings, leading to premature equipment failure and significant financial loss.

This preventative analysis is fundamental for asset protection in several key sectors:

- **Electric Power Utilities:** Used for routine quality assurance on new and in-service insulating oils to protect the operational integrity of transformers, circuit breakers, and switchgear, ensuring grid reliability.
- **Transformer Manufacturing:** A vital quality control step to certify that insulating fluids used in new equipment are non-corrosive, protecting product quality and warranty obligations.
- **Industrial & Commercial Facilities:** For maintenance teams managing large, privately-owned transformers, this test helps prevent unexpected failures and costly production downtime in critical facilities like data centers and manufacturing plants.
- **Railway & Mass Transit:** Essential for maintaining the health of transformers in both traction substations and onboard rolling stock, where electrical reliability is paramount to operational safety and service continuity.



FEATURES

- The liner is made of mirror-finish stainless steel plate with argon arc welding.
- The shell is made from high-quality sprayed steel plate material.
- Features a large double-layer tempered glass observation window.
- Utilizes vertical and horizontal forced convection to ensure uniform temperature in the working chamber.
- Equipped with a digital microcomputer temperature controller, accuracy: 0.1°C (display range).
- Includes a timing function, temperature control protection, and a fan stop switch.
- The thermal insulation system uses ultra-fine glass fiber to fill the insulation area, with non-metal high-temperature resistant materials at the connection points of the inner and outer parts to effectively reduce high-temperature conduction.
- The hot air circulation system consists of fans and advanced air ducts capable of running continuously at high temperatures.

TECHNICAL SPECIFICATIONS

1. Temperature Range: RT +10 to 200°C
2. Temperature Accuracy: $\pm 1^\circ\text{C}$
3. Temperature Resolution: 0.1°C
4. Heating Rate: 1.0 to 3.0°C/min
5. Timing Range: 1 to 9999 minutes
6. Copper Strip Purity: >99.9%
7. Rated Voltage: AC 220V, 50Hz (110V also available)

8. Working Chamber Dimensions: 340 x 270 x 325 mm

9. Dimensions: 630 x 515 x 505 mm



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

