



LUBRICATING GREASE WIDE TEMPERATURE RANGE EVAPORATION LOSS TESTER

Lubricating Grease Wide Temperature Range Evaporation Loss Tester TT-2595

Lubricating Grease Wide Temperature Range Evaporation Loss Tester TT-2595 adheres to the ASTM D2595 Standard Test Method for Evaporation Loss of Lubricating Greases Over Wide-Temperature Range.

Lubricating Grease Wide Temperature Range Evaporation Loss Tester TT-2595 involves placing a weighed sample of grease in an evaporation cell within a heating device set at the desired test temperature. Over a period of 22 hours ± 0.1 hour, heated air is circulated over the surface of the grease, and the loss in weight of the sample due to evaporation is then determined.

APPLICATIONS

The Torontech TT-2595 is engineered for the rigorous demands of the ASTM D2595 standard, determining the evaporation loss of lubricating greases across a wide temperature spectrum. By precisely measuring weight loss over a 22-hour period with controlled, heated airflow, it delivers critical data on a lubricant's volatility and long-term thermal stability. Its innovative dual-unit design and multi-point temperature control system provide the placement flexibility and analytical precision required for advanced R&D and stringent quality control protocols.

This wide-range analysis is essential for qualifying lubricants in industries with extreme temperature variations:

- **Aerospace:** Validating the performance of greases for actuators, landing gear, and satellite components that must function reliably from cryogenic orbital temperatures to high-heat atmospheric reentry or engine proximity.
- **Defense & Military:** Ensuring the all-climate operational readiness of lubricants for vehicle wheel bearings, weapon systems, and targeting equipment deployed in environments ranging from arctic cold to desert heat.

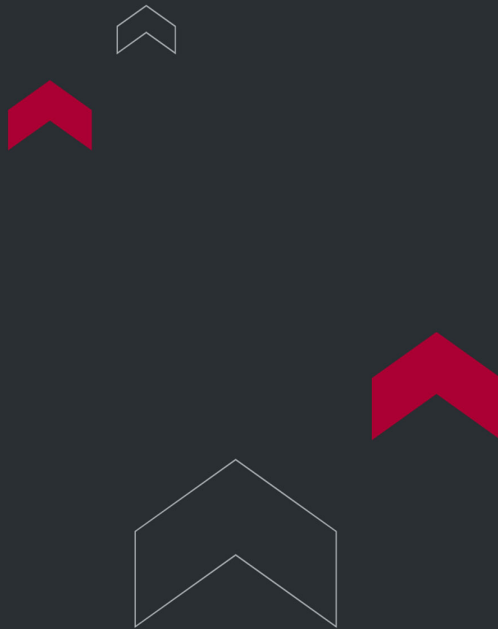
- **Industrial Robotics:** Qualifying greases for robotic arms and high-speed automated systems that experience significant temperature increases during continuous operation, often in facilities with fluctuating ambient temperatures.
- **Telecommunications:** Testing lubricants for antenna rotators, radar installations, and remote equipment exposed to the full spectrum of outdoor weather conditions, ensuring consistent performance and preventing seizure.

FEATURES

- This tester features a separate design, with the control unit and the high-temperature test bath unit divided into two separate units. This allows for flexible placement options, either side by side or stacked vertically, optimizing workspace area.
- Utilizes three sets of temperature controllers to precisely regulate both the air temperature and the temperature of the aluminum bath.
- The test duration can be conveniently set using a digital display timer for a duration of 22 hours.

TECHNICAL SPECIFICATIONS

1. Rated voltage: AC220V $\pm$ 10% 50Hz (110V also available)
2. Total Power: 2500W
3. Test station: 2
4. Temperature range: 93~316°C $\pm$ 1°C
5. Flow rate: 2L/min



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