

INNOVATIVE TECHNOLOGIES

# Oil Separation of Lubricating Grease

**TT-1742**



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## Oil Separation of Lubricating Grease

### TT-1742

The TT-1742 is a specialized instrument **designed to evaluate the tendency of lubricating grease to release oil during storage**, in accordance with the **ASTM D1742 standard**. This test method is essential for determining the long-term stability and performance of grease products stored in containers, whether completely or partially filled.

The TT-1742 operates by placing a grease sample on a 75- $\mu\text{m}$  (No. 200) sieve, then applying 1.72 kPa (0.25 psi) air pressure for 24 hours at 25°C (77°F). Any oil that separates is collected in a beaker and measured by weight. The unit is not suitable for greases softer than NLGI No. 1 grade.



# FEATURES/ADVANTAGES

- **Digital Pressure Monitoring**  
Equipped with a digital pressure gauge for accurate and easy-to-read pressure values.
- **Precise Pressure Control**  
Features a high-precision needle valve for fine and stable pressure adjustment.
- **Digital Temperature Display**  
Temperature is shown digitally through a reliable temperature controller for accurate monitoring.
- **Efficient Cooling System**  
Uses a fully enclosed compressor cooling system with internal circulation for steady performance.


# TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS
Test Units	2
Temperature Control	25°C ± 1°C
Pressure Range	1.72kPa ± 0.07kPa
Sieve Aperture	75µm
Pressure Display	Precision digital pressure gauge
Cooling Method	Completely enclosed compressor cooling




**TORONTECH**

**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](mailto: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](mailto:sales@torontech.com)



USA | Canada | EU | UAE | GCC | India | Africa | Latin America | Asia

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