



TORONTECH



NON-DESTRUCTIVE VACUUM DECAY LEAK DETECTOR - CCIT CONTAINER CLOSURE INTEGRITY TESTER - TORONNDVDL™

ToronNDVDL™ is a non-destructive leak detection system designed for both vacuum decay and pressure decay testing methods. This versatile instrument is ideal for detecting micro-leaks in a wide range of container types, including ampoules, vials, pre-filled syringes, bottles, non-porous pouches, blow-fill-seal strips, and medical devices.

APPLICATIONS

Test Standards

ToronNDVDL™ Non-destructive Vacuum Decay Leak Detector complies with multiple international standards, including ASTM F2338: Standard Test Method for Non-Destructive Detection of Leaks in Packages by Vacuum Decay Method.

FEATURES

Key Features of Non-destructive Vacuum Decay Leak Detector - CCIT Container Closure Integrity Tester - ToronNDVDL™

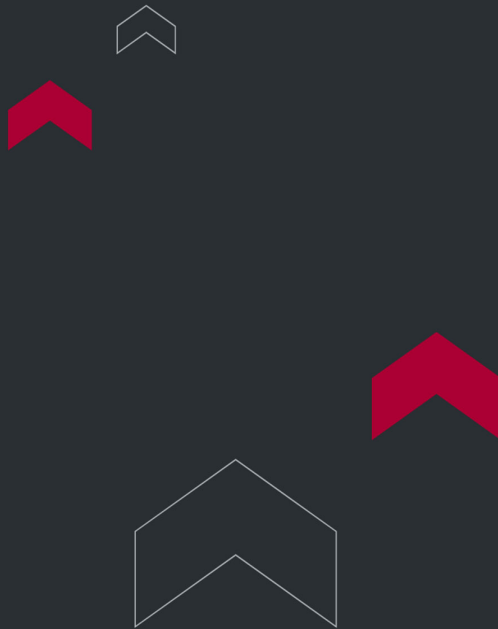
- ToronNDVDL™ Non-destructive Vacuum Decay Leak Detector integrated 10-inch touchscreen computer (external computer optional)
- Single sample test completed in 15 seconds or less
- Detects micro-leak apertures $\geq 1\mu\text{m}$
- Separate test chamber and main unit configuration; chamber supports over five sample types
- Test chamber available in aluminum alloy or stainless steel with pneumatic clamping system
- Built-in flow meter for easy calibration

- Three calibration options: zero point, leak aperture, and flow rate
- Three result evaluation modes: pressure decay, leak aperture, and leak flow
- Leak flow error ≤ 0.1 ccm; vacuum resolution ≤ 1 Pa / 0.01 mbar / 0.0001 psi; multiple units supported (kPa, mbar, Pa, psi)
- ToronNDVDL Non-destructive Vacuum Decay Leak Detector compatible with various rigid and flexible containers, including vials, infusion bags, contact lens packaging, milk powder cans, and electronic component packaging—supports both vacuum decay and pressure decay methods

TECHNICAL SPECIFICATIONS

Parameter	ToronNDVDL™ -100	ToronNDVDL™ -100 (T)	ToronNDVDL™ -100 (P)
Test Method	Vacuum Decay	Vacuum Decay/Pressure Decay	
Measurement & Control	Micro-computer Control/Dual Sensors		
Vacuum System	Vacuum Pump		
Air Source	N/A	External Air Source	
Unit	kPa/mbar/psi/Pa		
Pressure Resolution	1 Pa	0.1 Pa	
Test Range	-99~0 kPa	-99~400 kPa	
Measuring Range	≥0.01 ccm (about 1μm)		
Test Accuracy	±0.2μm (≥3μm)		
Test Accuracy	±0.3μm (<3μm)		
Main Control Chip	STM Microcomputer Chip		

Parameter	ToronNDVDL™-100	ToronNDVDL™-100 (T)	ToronNDVDL™-100 (P)
Acquisition Frequency	50~200 Hz		
Operation System	7" LCD touch screen	10.1" LCD touch screen	Computer software
Data Storage	600 Groups	Unlimited	
Data Communication	USB/RS232/485		
Body Material	Engineering Plastics/Stainless Steel		
Instrument Dimension	320(L) × 480(W) × 320(H) mm	340(L) × 480(W) × 320(H) mm	340(L) × 470(W) × 320(H) mm
Instrument Weight	20 KG		



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

