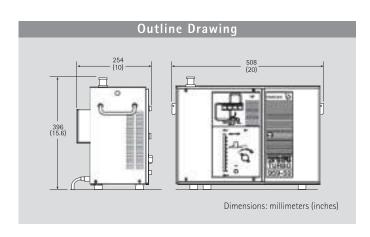
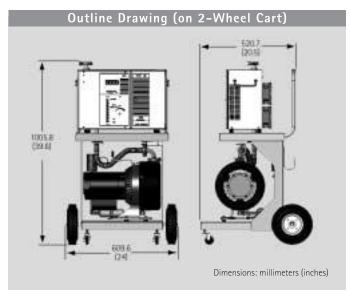


The 959 MacroTorr Helium Leak Detector fulfills the need for a rugged and dependable leak detector in the most demanding industrial applications. With its low initial price and low cost of ownership, this unit is the most cost effective leak detector available. It is available in stand-alone, bench-top, and two-wheel cart configurations. We have designed these units with large externally-mounted primary pumps that deliver high roughing speeds for fast pump down times. The bench-top and cart-mounted versions are available with Varian DS 302 rotary vane pumps or TriScroll™ 320 dry pumps.

- External mounting of large primary pumps results in fast pump down cycles
- High test port pressure tolerance reduces time required to reach test mode
- Available in wet and dry versions, on two- or four-wheel carts, or bench-top
- Simple, rugged design provides the cost effective solution for many applications





Technical Specifications					
Sensitivity ranges		10 ⁻⁴ thru 10 ⁻⁸ atm cc/sec			
Minimum detectable leak at 1000 ppm ambient helium		2 x 10 ⁻⁹ atm cc/sec helium			
Maximum test port pressure		1 Torr			
High Vacuum Pump		V70D MacroTorr turbo/drag pump			
Primary Pump Type	Rotary vane pump	DS 302			
-	Dry scroll pump	TS 320			
Inlet flange		NW-25 (optional 11/8" compression adapter)			
Calibration routine		Manual			
Background suppression		Manual			
Leak indication		50 segment bar graph w/exponent display			
Leak units displayed		Atmospheric cc/sec.			
Ranging		Manual			
Analog leak rate output (plug)		Phone jack, 0-5 VDC			
Audio alarm		Threshold and volume control (103 dBA maximum @ 1 ft.) and output jack for remote speaker			
Electronic response time		2 seconds			
Recommended ambient operating temperature		5 to 35 °C			
Power requirements		115 V or 230 V, 50/60 Hz (15/20 amps)			
Weight, base unit		22.7 kgs (50 lbs)			

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Ordering Information					
Part Number					
Base	x = Mounting	x = Sensitivity	xxx = Voltage		
S9590000xxxxx	 0 (None supplied) 		• 120 • 220		
L9593000xxxxx	B = BenchT = Two-wheel	M = Standard Sensitivity			
D9593500xxxxx	B = BenchT = Two-wheel				
Description			Part Number		
	1.8 (4)	K9565306			
	1.8 (4)	K9565307			
range (NIST-traceable)	1.8 (4)	F8473321			
Calibrated leak, external, NW25, 10-8 range (NIST-traceable)					
Tuning leak/throttle valve, NW25					
	1.4 (3)	670029096			
	0.9 (2)	L6930301			
	0.1 (0.2)	82850302			
	0.5 (1)	L9030301			
	Base \$9590000xxxxx \$19593000xxxx \$19593500xxxx \$19593500xxxx \$19593500xxxx	Base x = Mounting \$9590000xxxxx 0 (None supplied) \$1.000000000000000000000000000000000000	Part Number Sase x = Mounting x = Sensitivity		

^{* 959} sensitivity is influenced by the speed of the system's primary pump. The above specifications are obtained with a nominal 10 cfm displacement pump.

For information on Support Plans, refer to page 258.

Manual

For information on pump options, refer to page 250.

For information on additional accessories and options, refer to pages 251 through 255.

1.4 (3)