

# MS-50GT UFT

## Automated High Speed Production Leak Detector for Hermetically Sealed Devices

Integrated Test Cup with automated test-cycle sequence

Unique UFT recipes allow for specific configuration of the test parameters

Three flow modes provide flexibility and maximum productivity for application-specific leak testing

Resolution of 14 at mass 4 is twice the industry average

The only production leak detector with a full screen interactive display

Built-in diagnostics for trouble free maintenance

[vicleakdetection.com](http://vicleakdetection.com)



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- ***The MS-50GT UFT is available in various configurations designed to meet your specific leak testing requirements.***



# MS-50GT UFT PERFORMANCE SPECIFICATIONS

Characteristics	Units	MS-50GT	MS-50GT Dry	MS-50GT Dry HS
Sensitivity, vacuum *	atm cc/sec	$3.0 \times 10^{-11}$		$3.0 \times 10^{-12}$
Sensitivity, sniffing		$1.0 \times 10^{-08}$		
Leak Measurement Range		$3.0 \times 10^{-11}$ to $10^{-5}$		$3.0 \times 10^{-12}$ to $1.0 \times 10^{-5}$
Leak Ranging	-	Auto/Manual		
Start-up Time	minutes	<3		
Response Time *	seconds	<2 direct, <2.5 reverse		<2
Resolution *	-	14 at mass 4		
Gross Test, Time (with UFT Option)	seconds	3 (100 mTorr)		
Fine Test, Time (with UFT Option)	seconds	$10 (25 \text{ mTorr}, 10 \text{ atm-cc/sec})^{-10}$		
Mass Spectrometer Tube	-	180° deflection, dual magnetic sector		
Auto-tuning	-	Yes		
Auto-calibration	-	Internal: Yes / External: Manual		
Auto-zeroing	-	Yes		
Reject Set-point	-	Yes		
Built-in Calibrated Leak	-	Yes; $10^{-08}$ range		Yes; $10^{-09}$ range
NIST Traceable	-	Yes		
Temperature Compensated	-	Yes		
Scan / Descan	-	Yes		
Filaments	-	2 Lanthanum/Yttrium		
Max Operating Pressure	Torr	7.5 direct; 760 reverse		
Display / Interface	inches (cm)	10 (25.4) LCD flat panel display, capacitive touch-screen / Graphical User Interface (GUI)		
Units	-	cc/second, mbar*I/second, Pa*M <sup>3</sup> /second		
I/O	-	0~5V chart, parallel printer		
Printer Port	-	Yes		
RS-232C	-	Yes		
Software	-	50 programmable test recipes		
<b>Vacuum System</b>				
Vacuum Mode	-	Direct, reverse or combination		Direct
Roughing Pump	cfm	16 direct drive	10 scroll pump	
Foreline Pump	-	7 direct drive	5 dual stage diaphragm/molecular drag	
High Vacuum Pump	liters/second	61 turbo		
Vacuum Gauging	-	Pirani: Test Port and Foreline / Ion: High Vacuum		
Cold Trap	-	N/A	N/A	Optional
<b>Physical</b>				
Dimensions (W x H x D)	inches (cm)	25.75 x 30.625 x 35.25 (65.40 x 77.79 x 89.54)		
Test Cup, UFT Option (Ø x D)	inches (cm)	4.5 x 1.0 (11.4 x 2.5)		
Test Port Connection	inches	1.125		
Weight	lbs. (kg)	475 (215.45)		
<b>Electrical</b>				
Power	V/Hz/A	115/50-60/30; 230-240/50-60/15; 100/50-60/30		



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\* Performance determined in accordance with American Vacuum Society Standards; Specifications subject to change without notice.

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