

MS-50GT Argon Dry

Automated High Speed Production Console Argon Gas Leak Detector

The only production leak detector with an interactive LCD touch-screen display and GUI

Resolution of 40 at mass 40 is twice the industry average

Testable Masses: 40 (Argon)

Built in diagnostics for trouble free maintenance

Independent quick calibration check

Dual pump system – dedicated Foreline and Roughing pumps

Simple one-button ready to test in less than 3 minutes

Fully automatic startup, tuning and calibration

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

UFT mode allowing for programmable automatic test cycle operation

www.vicleakdetection.com



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



Vacuum Instruments Corporation, LLC

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MS•50GT ARGON PERFORMANCE SPECIFICATIONS

Characteristics	Units	MS-50GT Argon Dry
Sensitivity, vacuum *	atm cc/sec	1.0×10^{-8}
Sensitivity, sniffing		n/a
Leak Measurement Range		1.0×10^{-8} to 1
Leak Ranging	-	Auto/Manual
Start-up Time	minutes	<3
Response Time *	seconds	<2
Resolution *	-	40 at mass 40
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^{-8} range
NIST Traceable	-	Yes
Temperature Compensated	-	Yes
Scan / Descan	-	Yes
Filaments	-	2 Tungsten
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 ^l /second, Pa ³ /second
I/O	-	0~5V chart, parallel printer
Printer Port	-	Yes
RS-232C	-	Yes
Software	-	50 programmable test recipes
Vacuum System		
Vacuum Mode	-	Direct
Roughing Pump	cfm	10 dry scroll
Foreline Pump	-	16 dual stage diaphragm/molecular drag
High Vacuum Pump	liters/second	61 turbo
Vacuum Gauging	-	Pirani: Test Port and Foreline / Ion: High Vacuum
Cold Trap	-	Optional
Physical		
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 Port Connection	inches	1.125
Weight	lbs. (kg)	475 (215.45)
Electrical		
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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