

MS-50 Argon

Automated High Production Console Leak Detector for Argon Gas

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 / 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

The only production leak detector with a full screen interactive display

Available in Wet or Dry models

www.vicleakdetection.com



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



VIC Leak Detection®

Vacuum Instrument Corporation

2099 Ninth Avenue • Ronkonkoma, NY 11779 • T 631 737 0900 • F 631 737 1541 • sales@vicleakdetection.com



MS-50 ARGON PERFORMANCE SPECIFICATIONS

Characteristics	Units	MS-50 Argon	MS-50 Argon Dry
Sensitivity, vacuum *	atm cc/sec	1.0 x 10 ⁻⁸	
Sensitivity, sniffing		n/a	
Leak Measurement Range		1.0 x 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 ⁻⁰⁸ range	
NIST Traceable	-	Yes	
Temperature Compensated	-	Yes	
Scan / Descan	-	Yes	
Filaments	-	2 Tungsten	
Max Operating Pressure	Torr	0.200; 100 gross	
Display	inches (cm)	15 (38.1) LCD flat panel display	
Units	-	cc/second, mbar*l/second, Pa*M 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	16 direct drive	10 dry scroll
Foreline Pump	-	7 direct drive	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	

Vacuum Instrument Corporation

2099 Ninth Avenue • Ronkonkoma NY 11779 • Tel 631 737 0900 • Fax 631 737 1541

www.vicleakdetection.com • email sales@vicleakdetection.com

REVF091104

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

©2008 Vacuum Instrument Corporation; ©VIC Leak Detection is a registered trademark and the VIC symbol and the MS-(series) are trademarks of Vacuum Instrument Corporation.