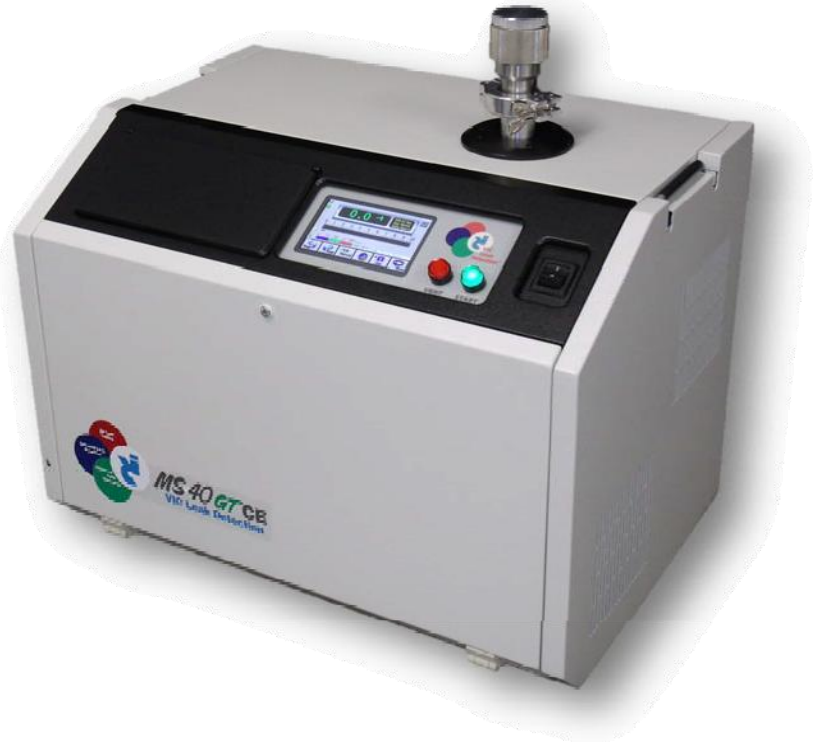


MS-40GT/MS-40GT Dry

Portable helium leak detectors - with Touch-Screen Interface
Accurate and Easy to Use – Ultimate Clean room Portable

Quickly and accurately detects leaks for a broad range of applications

- Touch-Screen Graphical User Interface
- Highest accuracy in the industry
- Simple one-button start-up
- Built-in diagnosis for trouble-free maintenance
- Fully automatic tuning and calibration
- Internal NIST-traceable temperature compensated calibrator
- Fast, non-destructive leak testing assures longer life and greater protection for your product
- Allows testing for the smallest leaks at the highest pressures
- RS-232 port provides for external control
- Remote control
- Cleanroom model, Optional



Applications – MS-40GT

- Automotive
- Compressors
- Electron Beam-Welders
- Gas Tanks
- Heat Exchangers
- High Pressure -Devices
- Nuclear Reactors
- Power Distribution Plants
- Refrigeration Parts

Applications – MS-40GT Dry

- Beverage/Food Containers
- Dry Clean room
- Electronics
- Freeze Dryer Applications
- Gas Distribution Lines
- Particle Accelerators
- Pharmaceuticals
- Process Chambers
- Quartz Crystal Packages
- Semiconductors
- UHV Systems & Hardware
- Li-ion Batteries

vicleakdetection.com



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MS•40GT / MS•40GT DRY PERFORMANCE SPECIFICATIONS

Characteristics	Units	MS-40GT	MS-40GT Dry
Sensitivity, vacuum *		4.0×10^{-11}	
Sensitivity, sniffing	atm-cc/sec	5.0×10^{-7}	
Leak Measurement Range		1.0×10^{-3} to 4.0×10^{-11} (10 atm cc/sec to 4.0×10^{-11} w/ext pump)	
Leak Ranging	-	Auto/Manual	
Start-up time	minutes	<3	
Response Time *	seconds	<2 direct, <3 reverse	
Resolution for ⁴ He *	-	14	
Mass Spectrometer Tube	-	180° deflection; dual-magnetic sector/stainless steel construction	
Auto-tuning	-	Yes	
Auto-calibration	-	Internal – yes; External - manual	
Auto-zeroing	-	Yes	
Reject set-point	-	Yes	
Built-in calibrated leak	-	Yes	
NIST traceable	-	Yes	
Temperature compensated	-	Yes	
He Scan	-	Yes	
Filaments	-	2	
Maximum Operating Pressure	Torr	7.5, 760 w/ext roughing option	
Display	-	Alpha/Numeric	
Units	-	atm cc/s, mbar ³ /s, Pa ³ /sec	
Background Compensation	-	Continuous automatic compensation for system background	
Testable Masses	-	3 and 4	
Printer Port	-	Yes	
RS-232C	-	Yes	
Remote Control	-	Yes	
VACUUM SYSTEM			
Vacuum Mode	-	Direct, reverse or combination flow	
Roughing Pump	cfm	1.2 Mechanical Foreline/Roughing Pump	Built-in dry 16 cfm dual stage diaphragm/molecular drag pump
High Vacuum Pump	liters/second	61 turbomolecular high vacuum pump	
Vacuum Gauging	-	Pirani: Test port & foreline; Ion: High vacuum	
Test Port Connection	-	NW25	
PHYSICAL			
Dimensions (W x H x D)	Inches (cm)	20.5 x 15 x 14 (52.7 x 38.1 x 35.6)	
Weight	lbs. (kg)	87 (39.5)	96 (43.6 kg)
ELECTRICAL			
Power	V/Hz/A	115/50-60/8; 230-240/50-60/5; 100/50-60/8	

Features:

- ▶ Simple one-button start up
- ▶ Automatic operation, tuning & calibration
- ▶ Three modes of operation
- ▶ Mini-sniffer probe port

Benefits:

- ▶ System is ready in less than 3 minutes
- ▶ Reduces operator training; easy to use
- ▶ Faster, more accurate testing
- ▶ Sniffing operation through dedicated port

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

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