

MS-40GT/MS-40GT Dry PLUS

Portable helium leak detector

-With Wet or Dry External Foreline/Roughing Pump and Mobile Cart

Accurately detects leaks for a broad range of applications—from Pharmaceuticals to Semiconductors

- Touch-Screen Graphical User Interface
- Highest accuracy in the industry
- Easy to use, most automated and fast
- External 10.6 or 21.2 CFM Dry foreline/roughing pump, or 16 CFM wet pump for faster cycle times.
- Internal NIST-traceable temperature compensated calibrator
- Allows testing for the smallest leaks at the highest pressures
- Remote control
- Available in Stainless Steel
- Simple one-button start-up



Applications

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

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

Characteristics	Units	MS-40GT PLUS
Sensitivity, vacuum *		4.0×10^{-11}
Sensitivity, sniffing	atm-cc/sec	6.0×10^{-9}
Leak Measurement Range		1.0×10^{-3} to 4.0×10^{-11}
Leak Ranging	-	Auto/Manual
Start-up time	minutes	<3
Response Time *	seconds	<2 direct, <3 reverse
Resolution for ^4He *	-	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 - Tungsten
Maximum Operating Pressure	Torr	7.5, 760 w/ext roughing option
Display	-	Alpha/Numeric
Units	-	atm cc/s, mbar ³ /s
Background Compensation	-	Continuous automatic compensation for system background
Testable Masses	-	3 and 4
Printer Port	-	Yes
RS-232C	-	Yes
VACUUM SYSTEM		
Test Modes	-	Direct, reverse or combination flow, sniff
Roughing Pump	cfm	External dry 10.6 or 21.2 Dry scroll 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)	96 (43.6 kg)
Mobile Cart	-	With 2-shelves, drawer, power strip, casters
ELECTRICAL		
Power	V/Hz/A	115/50-60/8; 230-240/50-60/5; 100/50-60/8



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

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