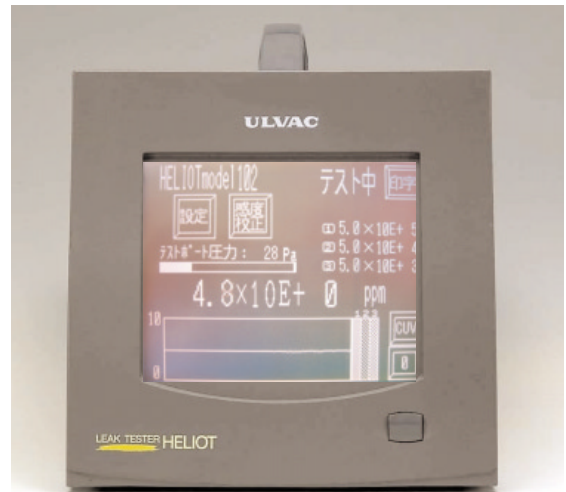


Leak Tester HELIOT 100 Series



Leak tester HELIOT 100 series

An example of LCD indication on HELIOT 103



The Heliot 100 Series is the ÅFIRSTÅh truly portable, Dry Helium Leak Detector designed to reduce test time and increase productivity over traditional leak detection systems. The Heliot 100 Series is equipped with touch panel screen control for ease of operation, weights just 32 lbs (14.5 kg), and is an economical solution for the cost conscious, production environment. The Heliot 100 Series incorporates high reliability in a revolutionary design, built-in calibrated leak and automatic calibration.

Features

Model	101 Gross leak test	102 + Sniffer test	103 Maintenance
Features	ULVAC developed the HELIOT 100 series to meet the changing needs of industries that could realize improvements in product or throughput by utilizing tracer gas technology. The HELIOT 100 series is equipped with touch screen control that is easy to operate even by unskilled operators.	ULVAC developed the HELIOT 100 series as a portable unit easily transported wherever leak testing may be required. They are equipped with touch screen control that is easy to operate, even by unskilled operator.	

Applications

Model	101 Gross leak test	102 + Sniffer test	103 Maintenance
Features	Automobil industry, gas-oil industry, Electronics industry	Air condition and refrigeration related industry, Medical equipment industry, Food industry, Underground service piping	Vacuum system maintenance

Specifications

model	model 101 Gross leak test	model 102 + Sniffer test	model 103 Maintenance
Sensitivity / Range	10 ⁻⁶ - 10 ⁺² Pa · m ³ /s *1	0.1 - 10000ppm (10 ⁻⁷ - 10 ⁻⁰ Pa · m ³ /s)*1	10 ⁻⁹ - 10 ⁻⁴ Pa · m ³ /s*1
Test Pressure	Less than 10 ⁺⁵ Pa	—	Less than 100 Pa
Basic Composition	Compound Molecular Pump Membrane Pump Pirani Vacuum Gauge	Compound Molecular Pump Membrane Pump Pirani Vacuum Gauge Sniffer Probe	Compound Molecular Pump Membrane Pump Pirani Vacuum Gauge Calibrated Leak
Analyzer tube filament	Magnetic field type mass spectrometer tube Iridium Yttrium coated Double Filaments, BA type		
Operation	Automatic Startup / Automatic valve Operation / Quick StartUp / Self-diagnosis / Zero Tracking etc.		
I/O	Main Unit Input Voltage / DC24V 150W AC/DC Converter Input Voltage / AC85 ~ 132 : 170 - 264V 150W Communication Port / RS-232C Printer Output / Centronics Conformity Leak Rate Output / Digital Style or Analog Style (DC0 ~ 10V) Other Output / Leak Rate Setpoint, ready mode, etc.		
Dimensions / Weight	260 x 480 x 260 (mm)*2 / 14.5kg / 10.2 x 18.8 x 10.2 (in) / 32 lb		
Certification	CE Certification *3		
Applications	Automotive Industry Electronics Industry Foods & Medical Package	Refrigeration Industry Foods & Medical Package Underground Service Piping	Vacuum System Maintenance
Options	Carrying case / Calibrated leak / Printer / Remote meter / Test port exchange pipes Flexible tube / Clamp&O-rings / Setpoint Buzzer / etc.		

*1 The detectable levels characterizing actual measurement may vary with system configuration and test environment.

*2 W(Width) x D(Depth) x H(Height)

*3 Standard units only.

*4 Systems can be widely customized according to individual customer needs. Contact ULVAC for more information.

External Dimension Diagram

(unit: mm)

• model 103

