

Leak Detector [HELIOT ZERO]

This leak detector is specially designed for automatic helium leak test systems.



Analyzer unit



Display unit



Power supply unit

Features

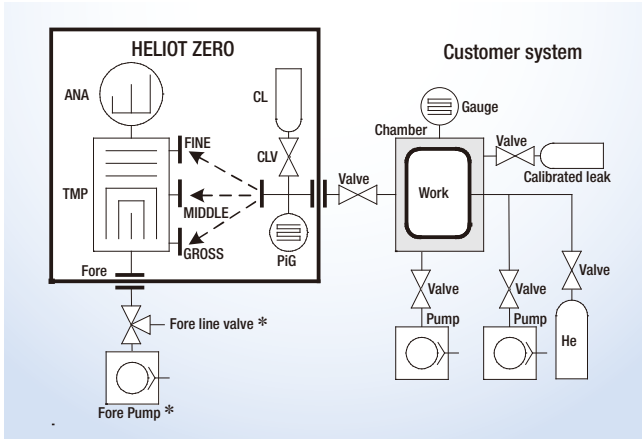
- ▶ **Layout Friendly**
Analyzer and control unit can be separated up to 30 meters.
Analyzer unit can be mounted in any direction.
Small-footprint
- ▶ **Unit Can Support Several Testing Conditions**
3 test ports
Sniffer method (option)
- ▶ **User Interface**
The control panel is a color touch panel for ease of use and high visibility.
Operator is informed automatically when maintenance is required.
- ▶ **System Includes Calibrated Leak and Pirani Vacuum Gauge**
- ▶ **Applicable standard**
Complies with CE Standard.

Applications

- ▶ **Auto Leak Test System**
Automobile industry
Refrigeration / airconditioning industry
Food packaging / medicine packaging
- ▶ **Measurement of Flow Quantity and Permeation (helium gas)**

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Vacuum system diagram



ANA	Analyzer tube
TMP	Turbo molecular pump
FINE	Fine leak port
MIDDLE	Middle leak port
GROSS	Gross leak port
FORE	Fore line port
CL	Calibrated leak
CLV	Calibrated leak valve
PIG	Pirani vacuum gauge

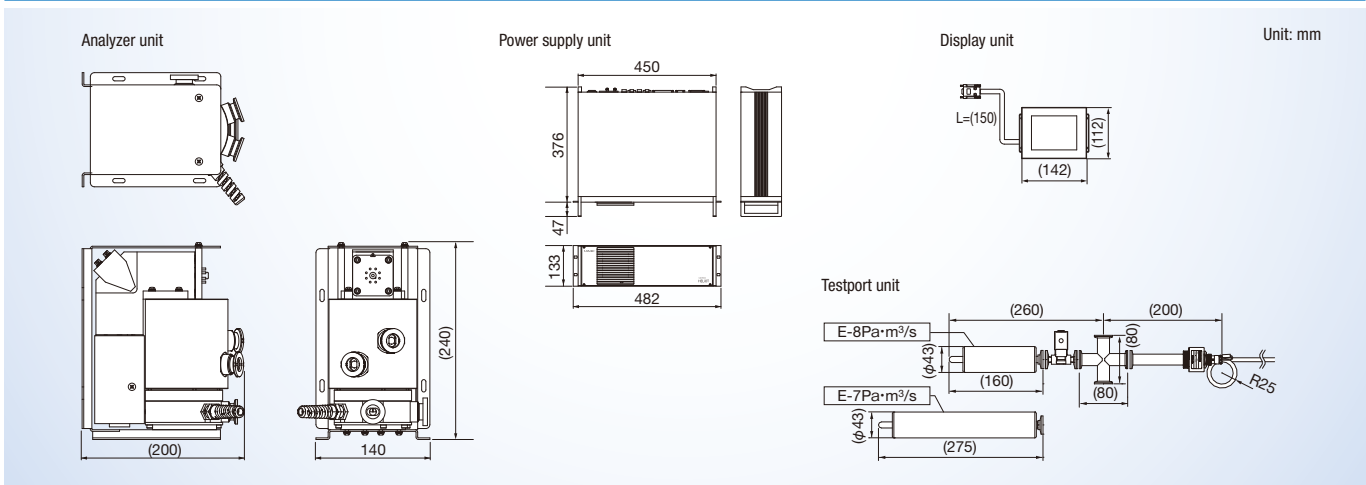
* Options

Specifications

Analyzer tube	Magnetic field 90 degree deflection type mass spectrometer
Detectable gas	Helium
Vacuum method detection range	E-12 to E-3 Pa·m ³ /s (E-11 to E-2: mbar·L/sec, Torr·L/sec, atm·cc/sec) *1
Sniffer method detection range	E-8 to E-3 Pa·m ³ /s (E-7 to E-2: mbar·L/sec, Torr·L/sec, atm·cc/sec), 0.1 to 1000ppm
Test port flange / Fore line port flange	NW16 / NW16
Unit	Pa·m ³ /s, mbar·L/s, Torr·L/s *2, atm·cc/s *2, g/a *2, oz/a *2, ppm *3
Input / Output	Open collector input/output, Leakrate output (DC: 0 to 10V), Testport pressure output (DC: 0 to 10V), RS232C, RS485
Language	Japanese, English, Chinese (Simplified)
Power supply voltage / Max power consumption	φ1, AC90 to 240V (50/60Hz)/700W
Weight	Analyzer unit + test port unit: approx. 7.4kg / Power supply unit + display unit: approx.10.5kg
Distance between analyzer unit and power supply unit	max. 10m
Distance between power supply unit and display unit	max. 20m
Options	Extension cables, Sniffer probe, Sniffer changeover valve, Fore line valve, Fore pump, etc.

*1 With 30L/min (1.8m³/hr) rotary pump sensitivity range change by usage. *2 Outside Japan only *3 Selectable for sniffer method only

Dimensions



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