

HELIUM LEAK DETECTOR - ANEXURE - 1

Parameters Specifications

- 1 Operating principle : The Helium leak detector works on the principle of mass spectrometry.
- 2 Analyzer : Self protected 180 degree magnetic deflection mass spectrometer
- 3 Minimum detectable leak Vacuum mode : 5×10^{-12} atm.cc/s
Sniffer mode : 1×10^{-7} atm.cc/s
- 4 Detectable masses : H₂, He₃, and He₄
- 5 Ready for operation time With auto calibration : < 2 min 30sec
- 6 Response time : < 1 Sec
7. Normal test mode : 1×10^{-11} to 3×10^{-4} mbar.l/s
Auto mode : 1 to 1×10^{-11} mbar.l/s
Sniffing test mode : 1×10^{-7} to 1×10^{-1} mbar.l/s
- 8 Maximum inlet pressure : 10 mbar
- 9 Pumping speed for He : 1.3 l/sec
- 10 Test port : DN 25 ISO KF
- 11 High vacuum pump Type : Low speed Turbo molecular drag pump.
- 12 Backing and roughing pump Type : Two stage oil rotary vane pump Capacity 10 m³/hr
- 13 Vacuum gauges Pirani gauges no : 2 nos
- 15 Operating temperature to Start : 10 to 45°C
- 16 Power supply : 200 - 240V+/-10%, 50/60Hz, 1Ph
- 17 Operation should be Completely automatic, single button operation, micro processor based control system with internal auto calibration and auto ranging and Manual ranging and controlled from display control panel with a menu driven soft keys.
18. complete External calibration test kit must be provided with equipment .
- 19 Ana log output Inlet pressure bar graph display, Helium leak rate signal bar graph display,
- 20 Digital output Helium leak rate signal digital display
- 21 Digital output System start up status, Calibration, Cycle test status, Helium signal display, 4-Levels of operation menus, leak rate, error messages, Warning system .

Offer shall includes :

REMOTE CONTROL , CART TRANSPORT , DN 25KF CALIBRATED LEAK ADAPTATOR KIT

SUITABLE HE CALIBRATION .LEAK WITH VALVE , HELIUM SPRAY PROBE.