

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR
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Corrigendum

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Tender for Supply & Installation of Multipurpose Helium Leak Detector with Remote Control Ipad Features

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Multipurpose Helium Leak Detector with Remote Control Ipad Features

Technical Specifications:

SI No.	Parameters	Specifications
1.	Min detectable Helium Leak rate (Vacuum Mode)	5×10^{-12} mbar l/s or better in lower range
2.	Max. detectable Helium Leak rate (Vacuum Mode)	1×10^{-1} mbar l/s or better in higher range
3.	Sensitivity(Vacuum mode)	5×10^{-11} mbar l/s or better in fine leak test mode
4.	Flow Mode	Direct and reverse
5.	Operation and Control	Manual And Automatic
6.	Operator Interface	Colour alphanumeric display panel with touch provision
7.	System Integration software	An RS 232/RS485 with leak rate analysis and leak rate data display
8.	Environment Specification	Ambient Temp. b/w 15 to 50°C
9.	Power Supply	230V , 50Hz
10.	Min detectable leak in Sniffing test mode	1×10^{-7} mbar l/s Or better
11.	Detectable masses, amu	2, 3 and 4
12.	Mass Spectrometer	180° magnetic field
13.	Analyzer cell filament	2 Y2O3 filaments or suitable
14.	Helium pumping speed	2.5 l/s or better
15.	Max Inlet test pressure	15 mbar
16.	Units of measurement Pressure	Mbar,pa,atm,torr

	Leak Rate Sniffer mode	Mbar l/s, pa x m ³ x s ⁻¹ , torr x l x s ⁻¹ , atm x cc x sec ⁻¹ , sft ³ /yr ppm, g/a eq, oz/yr eq
17.	Inlet port	DN 25 ISO-KF
18.	Start-up time	3 minutes or better
19.	Contamination Trigger	Shall have the provision to stop helium when the selectable leak rate limit is being exceeded to avoid long term helium regeneration
20.	Service/Back up	Trained engineers with in India
21.	Warranty for the filament, and whole equipment	2 years for machine and 3 years for filament.
22.	Dimensions (LxBxH) max.	600 x 400 x 500 mm
23.	Weight	Max 50 kg
24.	Roughing pump	1 Rotary Vane Pump 2.5 m ³ /Hr. Or suitable

Now read as:

Multipurpose Helium Leak Detector with Remote Control feature

Technical Specifications:

SI No.	Parameters	Specifications
1.	Min detectable Helium Leak rate (Vacuum Mode)	$\leq 5 \times 10^{-12}$ mbar l/s
2.	Max. detectable Helium Leak rate (Vacuum Mode)	$\geq 1 \times 10^{-1}$ mbar l/s
3.	Response time in Sniffing mode	Less than one second
4.	Maximum Power consumption	Less than 1 Kilo watt
5.	Operation and Control	Manual and Automatic,
6.	Operator Interface	Colour alphanumeric display panel with touch provision
7.	System Integration software	An RS 232/RS485 with leak rate analysis and leak rate data display in english and other necessary accessories
8.	Environment Specification	Ambient Temp. b/w 10 to 45°C
9.	Power Supply	230V , 50Hz
10.	Min detectable leak in Sniffing test mode	$\leq 1 \times 10^{-7}$ mbar l/s

11.	Detectable masses, amu	2, 3 and 4
12.	Mass Spectrometer	180° magnetic field sector
13.	Analyzer cell filament	2 indium/Yttria oxide filaments or other suitable
14.	Helium pumping speed	2.5 l/s or more
15.	Max Inlet test pressure	in range 10 mbar- 25 mbar
16.	Units of measurement Pressure Leak Rate Sniffer mode	(any one or more options available) Mbar or pa or atm or torr Mbar l/s or pa x m ³ x s ⁻¹ , or torr x l x s ⁻¹ , or atm x cc x sec ⁻¹ , or sft ³ /yr ppm or g/a eq, or oz/yr eq
17.	Inlet port	DN 25 ISO-KF
18.	Start-up time	Less than 3 minutes
19.	Contamination Trigger	Shall have the provision to stop helium when the selectable leak rate limit is being exceeded to avoid long term helium regeneration or any other suitable similar mechanism
20.	Service/Back up	Trained engineers with in India
21.	Warranty period for whole equipment and accessories	2 years
22.	Dimensions (LxBxH) max.	600 mm x 400 mm x 500 mm
23.	Weight	Less than 60 kg
24.	Roughing pump	1 Rotary Vane Pump of 2.5 m ³ /Hr or more capacity Or Dry Roughing System
25.	Sensitivity(Vacuum mode)	5 x 10 ⁻¹¹ mbar l/s or better

Other Terms & Conditions will remain same.
