

HGLD 3026

Handheld helium gas leak



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Fast & accurate leak detection:

The HGLD 3026 is not only a robust but also a reliable leak detector. Especially designed to be easy to use for a fast and effective response, it combines all the advantages you need.

Easy to use:

Due to its light weight, HGLD 3026 can be operated with one hand. It features a clear display with back light for easy reading of results as well as an intuitive keypad. HGLD 3026 provides for reliable and repeatable measurements, and storage of your readings on the device.

Highly sensitive:

HGLD 3026 enables a fast and effective detection of almost any gas/gas mixture and is particularly accurate to ammonia, helium or hydrogen amongst others. Maximum Sensitivity is provided through small internal flow rates.

Clear leak indication:

HGLD 3026 features an audible alarm of 90dBA at 10 cm and a flashing display.

Immediately ready:

When switched on, HGLD 3026 automatically zeros to the ambient surrounding air.

Inexpensive to operate:

For both consumables and parts.

High flexibility

Due to its small size, HGLD 3026 can be easily used in places that are difficult to reach. It allows for a wide choice of readings in cc/sec, g/yr, mg/m³.

Peace of mind:

HGLD 3026 comes with a standard warranty period of 1 years.

Particularly well suited for operators in the car industry as well as any other refrigerant gas detection applications in:

- Industry
- Manufacturing
- Laboratory & Research
- Medical
- Quality assurance

Technical data:

Flow rate	2 cc/min
Sensitivity (cc/sec)	He 1 x 10 ⁻⁵ , CH ₄ 5 x 10 ⁻⁵ , R12 5 x 10 ⁻⁵ , Ar 1 x 10 ⁻⁴
Accuracy	+ 5% Displayed reading One digit
Response time	1 sec
Operating temperature	-20 to +60 °C -4 to 140 °F
Storage temperature	-20 to +70 °C -4 to 158 °F
Humidity	0 to 99% RH (non-condensing)
Weight (instrument, unpacked)	0.45 kg 1lb
Dimension (instrument with probe)	390 x 60 x 49 mm 15.5 x 2.3 x 1.9 inch
Dimension (case)	420 x 320 x 97 mm 16.5 x 12.5 x 3.8 inch
Battery type	4 x Alkaline AA size or equivalent rechargeable, for typically 40 hrs life

Ordering information

HGLD 3026 Leak Detector
(supplied in carrying case with short probe, long probe, nozzle, box-spanner and battery holder)
Accessories and Spares
Short probe
Long probe
Nozzle
(use with short probe - provides a 10-fold dilution of gas stream entering the detector)
Spare battery holder

Gas table:

Gas Name	Formula	Molecular Weight	Gas Group
Air		-	-
GAS GROUP 1		4	-
GAS GROUP 2		120	-
GAS GROUP 3		80	-
GAS GROUP 4		50	-
GAS GROUP 5		40	-
Helium	He	4	1
Hydrogen	H ₂	2	1
Ammonia	NH ₃	17	2
Butane	C ₄ H ₁₀	58	2

Krypton	Kr	84	2
Methane	CH ₄	16	2
Neon	Ne	20	2
Sulfur dioxide	SO ₂	64	2
Sulfur hexa fluoride	SF ₆	146	2
Trichloromethane	CHCl ₃	119	2
1,1,2-Trichlorotrifluoroethane	C ₂ Cl ₃ F ₃	187	2
1,2-Dichlorotetrafluoroethane	C ₂ Cl ₂ F ₄	171	2
Dichlorodifluoromethane	CCl ₂ F ₂	121	2
Bromotrifluoromethane	CBF ₃	149	2
Chlorodifluoromethane	CHF ₂ Cl	86	2
Refrigerant R 502	CHClF ₂ , CClF ₂ HCF ₃	112	2
Xenon	Xe	131	2
Acetone	C ₃ H ₆ O	46	3
Argon	Ar	40	3
Refrigerant R 404a	R125:143a:134 = 44:52:4	98	3
Refrigerant R 407c	R134a: R125: R32 = 40:40:20	86	3
Refrigerant R 410a	R125:R32 = 50:50	73	3
Refrigerant R 507	CF ₃ CH ₃ :CF ₃ CHF ₂ 50:50	104	3
Refrigerant R 245FA	CF ₃ CH ₂ CHF ₂	134	3
Boron trifluoride	BF ₃	68	3
Carbon dioxide	CO ₂	44	3
Deuterium oxide	D ₂ O	20	3
Diethyl ether	C ₄ H ₁₀ O	74	3
Ethanol	C ₂ H ₅ OH	46	3
Hexane	C ₆ H ₁₄	86	3
Hydrogen chloride	HCl	36	3
Hydrogen sulphide	H ₂ S	34	3
Methanol	CH ₄ O	32	3
Nitrous oxide	N ₂ O	44	3
Pentane	C ₅ H ₁₂	72	3
Perfluorocyclobutane	C ₄ F ₈	200	3
Tetra fluoromethane	CF ₄	88	3
Trichlorofluoromethane	CFCI ₃	137	3

Water	H ₂ O	18	18
Acetylene	C ₂ H ₂	26	26
Ethane	C ₂ H ₆	32	32
Ethylene Oxide	C ₂ H ₄ O	54	54
Ethylene	C ₂ H ₄	28	28
Isobutane	C ₄ H ₁₀	58	58
Propane	C ₃ H ₈	44	44
Tetrafluoroethane	C ₂ H ₂ F ₄	102	102
Carbon monoxide	CO	28	28
Nitric oxide	NO	30	30
Nitrogen	N ₂	28	28
Oxygen	O ₂	32	32



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Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

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GCMS
3068



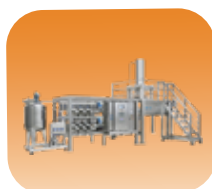
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HPLC



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DLS



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