



PHOENIX MOBILIS

Handheld helium gas leak detector



Your partner for fast & accurate leak detection

The PHOENIX MOBILIS 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

- Light weight: can be operated with one hand
- Clear display with back light for easy reading of results
- Intuitive keypad
- Reliable and repeatable measurements
- Storage of your readings on the device

✓ Highly sensitive

- Fast and effective detection of almost any gas/gas mixture
- Particularly accurate to ammonia, helium or hydrogen amongst others
- Maximum Sensitivity provided through small internal flow rates

✓ Clearly indicates the presence of a leak

- Audible alarm: 90dBA at 10 cm
- Flashing display

✓ Immediately ready to detect

- When switched on Phoenix Mobilis automatically zeros to the ambient surrounding air

✓ Inexpensive to operate

- For both consummables and parts

✓ Flexible

- Small size: Easily used in difficult to reach places
- Choice of readings in cc/sec, g/ yr, mg/m³



Technical Data

Flow rate	2 cc/min
Sensitivity (cc/sec)	He 1 x 10 ⁻⁵ , CH4 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"
Dimension (Case)	420 x 320 x 97 mm 16.5 x 12.5 x 3.8"
Battery type	4 x Alkaline AA size or equivalent rechargeable, for typically 40 hrs life



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



Ordering information

Product description	Part Number
PHOENIX MOBILIS Leak Detector Supplied in carrying case with short probe, long probe, nozzle, box-spanner and battery holder	253010V01
Accessories and Spares	Part Number
Short probe	D14128801
Long probe	D14128802
Nozzle Use with short probe - provides a 10-fold dilution of gas stream entering the detector	D14130800
Spare battery holder	D14130802

PHOENIX MOBILIS | Gas table

Gas Name	Trade 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		H2	2	1
Ammonia		NH3	17	2
Butane		C4H10	58	2
Krypton		Kr	84	2
Methane		CH4	16	2
Neon		Ne	20	2
Sulfur dioxide		SO2	64	2
Sulfur hexa fluoride		SF6	146	2
Trichloromethane		CHCl3	119	2
1,1,2-Trichlorotrifluoroethane	R113	C2Cl3F3	187	2
1,2-Dichlorotetrafluoroethane	R114	C2Cl2F4	171	2
Dichlorodifluoromethane	R12	CCl2F2	121	2
Bromotrifluoromethane	R1301	CBrF3	149	2
Chlorodifluoromethane	R22	CHF2Cl	86	2
refrigerant R 502	R502	CHClF2, CClF2HCF3	112	2
Xenon		Xe	131	2
Acetone		C3H6O	46	3
Argon		Ar	40	3
refrigerant R 404a	R404a	R125:143a:134a = 44:52:4	98	3
refrigerant R 407c	R407c	R134a: R125: R32 = 40:40:20	86	3
refrigerant R 410a	R410a	R125:R32 = 50:50	73	3
refrigerant R 507	R507	CF3CH3:CF3CHF2 = 50:50	104	3
refrigerant R 245FA	R245FA	CF3CH2CHF2	134	3

Gas Name	Trade Name	Formula	Molecular Weight	Gas Group
Boron trifluoride		BF3	68	3
Carbon dioxide		CO2	44	3
Deuterium oxide		D2O	20	3
Diethyl ether		C4H10O	74	3
Ethanol		C2H5OH	46	3
Hexane		C6H14	86	3
Hydrogen chloride		HCL	36	3
Hydrogen sulphide		H2S	34	3
Methanol		CH4O	32	3
Nitrous oxide		N2O	44	3
Pentane		C5H12	72	3
Perfluorocyclobutane	C318	C4F8	200	3
Tetra fluoromethane	R14	CF4	88	3
Trichlorofluoromethane	R11	CFCl3	137	3
Water		H2O	18	3
Acetylene		C2H2	26	4
Ethane		C2H6	32	4
Ethylene Oxide		C2H4O	54	4
Ethylene		C2H4	28	4
Isobutane	R600a	C4H10	58	4
Propane		C3H8	44	4
Tetrafluoroethane	R134a	C2H2F4	102	4
Carbon monoxide		CO	28	5
Nitric oxide		NO	30	5
Nitrogen		N2	28	5
Oxygen		O2	32	5

For indication only.
If in doubt, please contact us quoting chemical name, and CAS number



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