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PHOENIX MOBILIS

Handheld helium gas leak detector

鍾武堯
Edwin Chong
Director
+6012-954 1088
edwin@hexoind.com

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Hexo Industries (M) Sdn Bhd
(201101011453 / 939586-T)
1-2-11, i-Avenue, Medan Kampung Relau 1,
11900 Bayan Lepas, Penang, Malaysia.
Tel: +604-611 1186

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Your partner for fast & accurate leak detection

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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/m^3

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)
Weigth (instrument, unpacked)	0.45 kg | 1lb
Dimension (instrument with probe)	390 x 60 x 49 mm | 15.5 x 2.3 x1.9”
Dimension (Case)	420 x 320 x 97 mm | 16.5 x 12.5 x3.8”
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, nozzel, 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

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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
Dichlorodifluromethane	R12	CCl2F2	121	2
Bromotrifluoromethane	R1301	CBrF3	149	2
Chlorodifluromethane	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
Trichlorofluromethane	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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Pioneering products. Passionately applied.

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