



Agilent PHD-4

Technical Specifications

Minimum detectable concentration of He	from 2 ppm (parts for million)
Minimum detectable He leak (mbar l/s)	5×10^{-6}
Minimum detectable He leak (atm cc/s)	5×10^{-6}
Minimum detectable He leak (Pa m ³ /s)	5×10^{-7}
Reaction time	2 seconds for helium according to AVS 2.1. standard
Reading drift	max. 10 ppm every 10 minutes
Measurement readout	Graphic display RS232 Analogue output
Acoustic signal	Variable frequency
Clean-up time	Average 30 seconds. Max. 5 minutes (after helium saturation).
Self-test procedure and warm-up time	3 minutes
Shut-down time	Immediate
Operating conditions	
- temperature	+5 °C to +35 °C
- humidity	90 % RH (non condensing)
Jack for headset	Diameter 3.5 mm, mono or stereo headset (32 Ohm).
Transportability	Using adjustable straps
Weight	2.6kg (5.73 lb)
Dimensions mm (inches)	Width 170 (6.69) Height 136 (5.35) Depth 290 (11.4)
Power supply	in: 100-240 Vac 50/60 Hz 1 A out: 18 Vdc 2.2 A 40W
Battery operative range	4 h
Battery auto discharging	0.1 % max. per day at +20 °C



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Features & Benefits

- fully automatic detection of concentrations of helium
- value of leak is shown in real time on graphic display
- controlled by a single microprocessor type board
- emits acoustic signal proportional to the concentration of helium leakage detected

