

Options

The Passiv Haus standard for Air Leakage is 0.60 air changes per hour (ACH) @ 50 Pa. For a house with 160 square meters of floor area and 2.5 meter high walls, what is the test flow required to achieve the Passiv Haus standard of 0.60 ACH?:

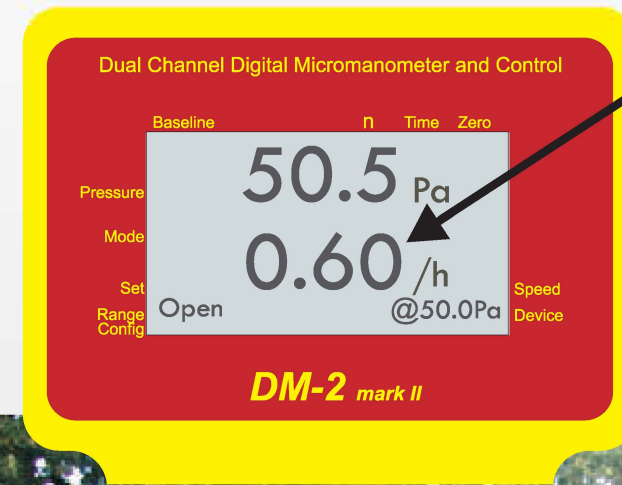
$$\text{Volume} = 160 \text{ m}^2 \times 2.5 \text{ m} = 400 \text{ m}^3$$

$$\text{Flow required} = 0.60 \text{ ACH} \times 400 \text{ m}^3 = 240 \text{ m}^3/\text{h}$$

System Model	Q32	Q42	EU1000	Q4E
Mounting	Window or Vent	Doorway	Doorway	Doorway
Flow rate @50 Pa	850 m ³ /h	850 m ³ /h	8,000 m ³ /h	14,100 m ³ /h
Maximum building volume	1,445 m ³	1,445 m ³	13,478 m ³	23,000 m ³
Maximum building floor area (for 2.5 m walls)	560 m ²	560 m ²	5,200 m ²	9,300 m ²



Passiv Haus Air Leakage Test



push button results
*Retrotec exclusive

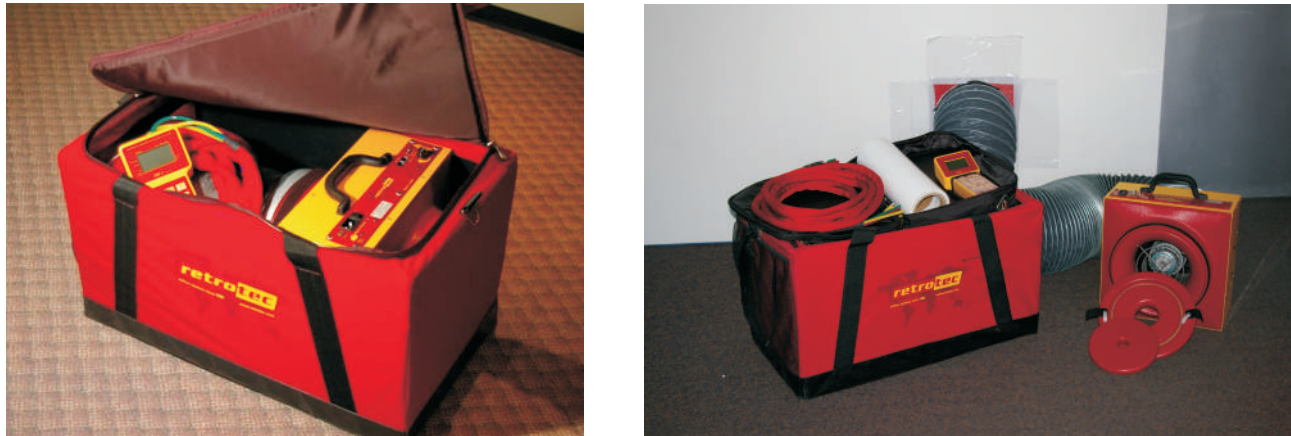


Model EU1000

Procedure

1 Unpack

Model Q32 carrying case holds test-fan, gauge and flex-duct that will mount to a vent or window.



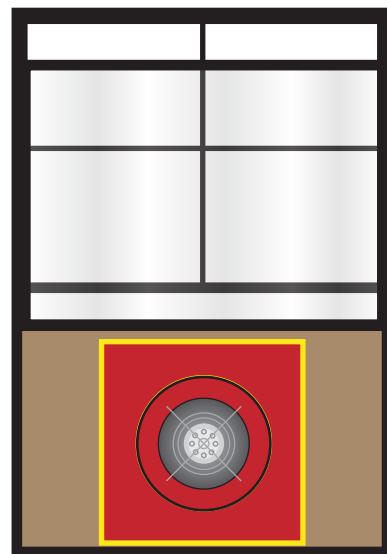
2 Set up the house

Turn off HVAC system, close windows & doors.



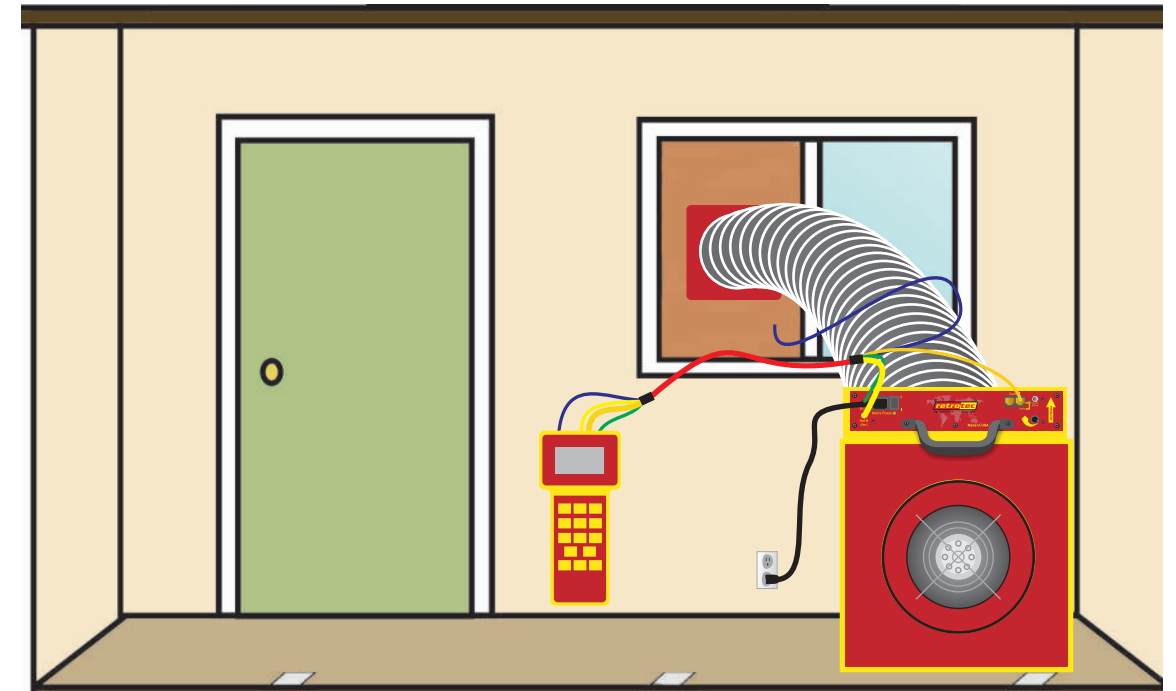
3 Install test fan

Model Q32 mounts in a window or vent opening.



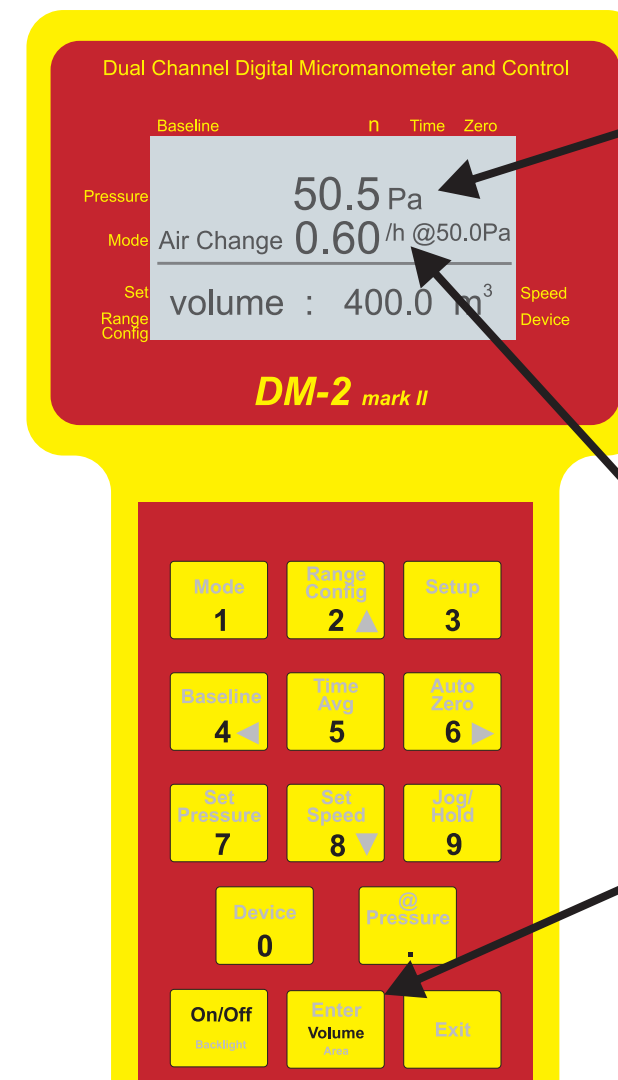
4 Connect the fan & gauge

Color coded connections eliminate errors.



5 Perform a test

Use Set Pressure key or adjust knob to get 50 Pa test pressure.



Read air change result.

Volume was entered using keypad.



*Retrotec exclusive