

Model 1000 Blower Door



Digital Gauge

Reprogrammable to simplify operation, and perform specialized functions.



Smooth Power

Linearized control. More power and less heat.



Calibrated Fan

Will not shatter or break.
10-year warranty.



User Friendly

Fully automated software.

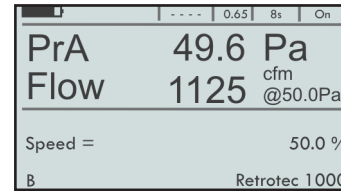


Digital Gauge

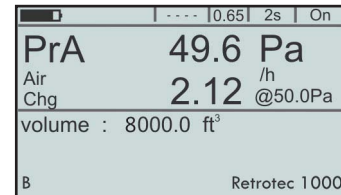
The Retrotec DM-2 displays every possible result with manual and fully automatic (or computerized) fan speed control, yet can be simplified to show only what you need. Many features are ***exclusive** to Retrotec.



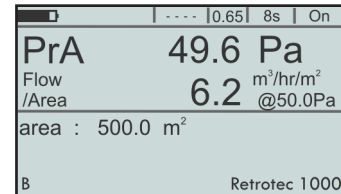
Details Screen



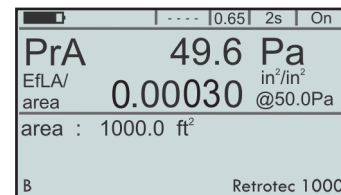
CFM50 calculation eliminates the need for an exact test pressure.



Air Changes shown directly on the gauge.*



Normalized leakage area (m³/h/m²), required in Europe, and (cfm/sq ft) in USA.



Display custom units. e.g. *specific to WA State*.*

Mode: Units Available

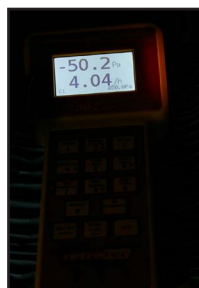
DM-2 Digital Gauge

Weight	14oz/397g
Size	8.75 x 4.25 x 3 in 22.2 x 10.8 x 7.6 cm
Power	AC adapter 4 NiMH AA rechargeable batteries

Pressure: Pascals, in WC, PSF (lb/ft ²)	PBR	53.5 Pa
Flow: cfm, l/s, m ³ /s, m ³ /h	Flow	253.5 cfm
Flow per area: cfm/ft ² , l/s/m ² , cfm/100ft ² , m ³ /h/m ² , cfm/1000ft ²	Flow/Area	0.25 cfm/100ft ² @75.0Pa
Leakage Area: EqLA (Canadian) and/or EflA (US): cm ² , in ² , ft ²	EqLA	12.8 ft ² @10.0Pa
EqLA and EflA per area: in ² /100ft ² , cm ² /m ² , in ² /in ²	EqLA/Area	1.15 in ² /100ft ² @10.0Pa
Air changes per hour according to volume entered: /hr	Air Chg	2.7 /h
Hole Flow: cfm, l/s, m ³ /s, m ³ /h	Hole Flow	103.7 cfm



Frame Mount
Crossbar or clamp
mount available.



High contrast
backlight, visible
in the dark.



Tapered connectors
best seal & easy release.



Rechargeable
NiMH batteries
save \$200/year.



Umbilical helps
with tubing
organization.

Model 1000 Fan

Tough Fan Shell

Strong motor mount holes will not tear out.

Stiffer fan shell. Step prevents blade tip losses.

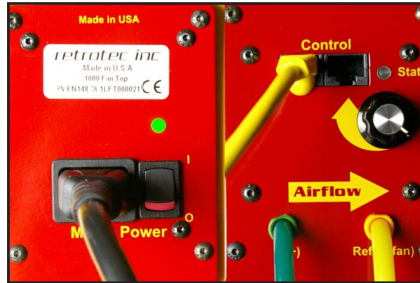
Solid double riveted shell with gussets.



Power light indicates power to fan.*

On/Off switch restores speed to previous setting.*

*exclusive



Dual connections for multiple fans.*

Status light indicates good gauge connection.*

Control speed at the fan.*

Control options:



Control from up to 100' away.



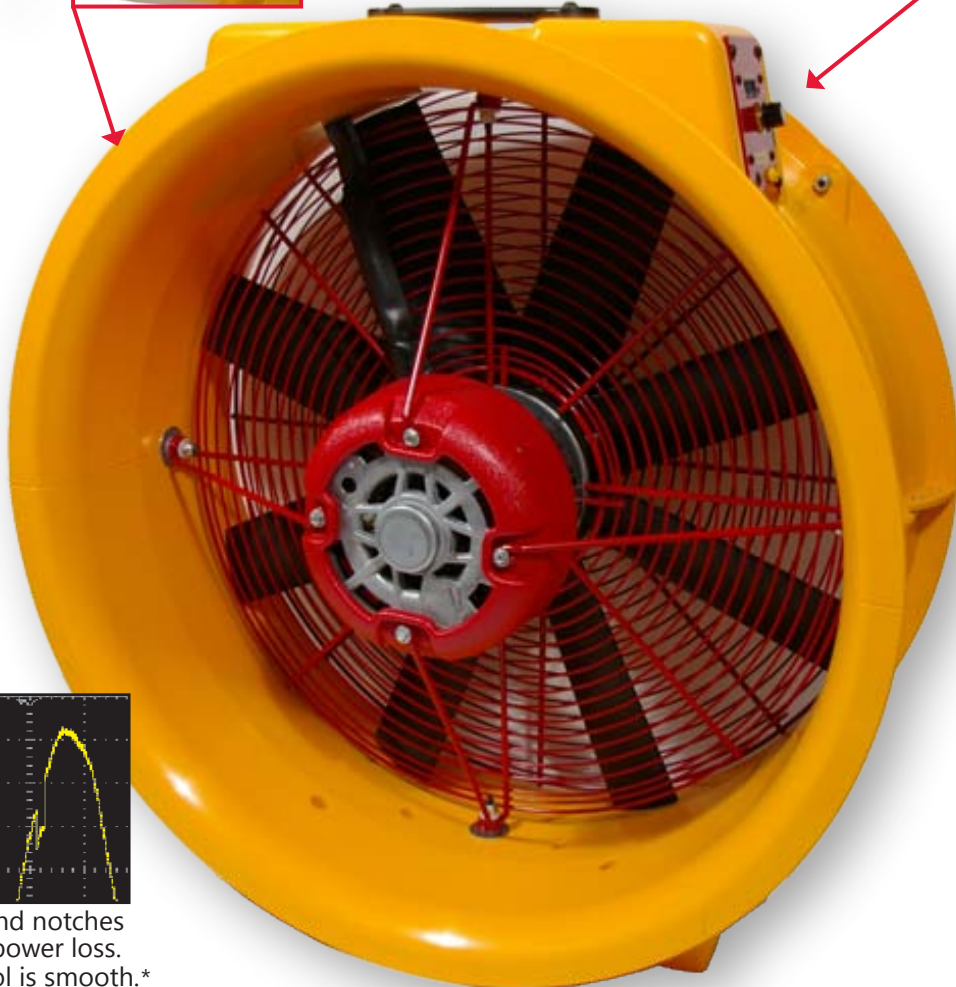
Control directly from the gauge.



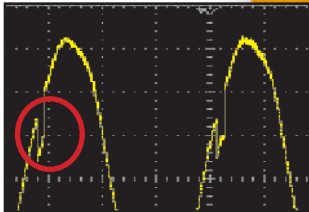
Fully automatic FanTastic software.



Link multiple fans for large building tests.

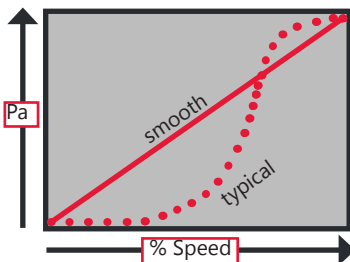


Smooth Power



Typical noise and notches create heat & power loss. Retrotec control is smooth.*

Smooth Control



Pressure and speed increase smoothly. Typically, controls accelerate in an uneven fashion creating surges and gaps.

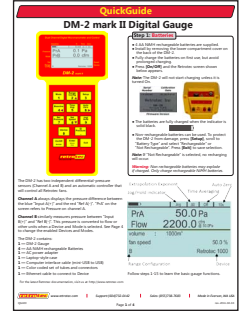
1000 Fan specs

	Flow into:	CFM	litres/s	m ³ /h
Maximum Flow <i>reduce values by 15% for 50Hz</i>	Free Air	6,300	2,973	10,700
	50 Pa	5,600	2,643	9,514
	75Pa	5,300	2,501	9,005
Minimum Flow (option)		5	2	8

Dimensions	22 in. inlet diameter, 9.75 in. long, 25 in. height
Weight	32.8 lb (34 lb with A & B Range Rings)
Flow Accuracy	+/- 3%
Power	120V, 9A or 240V, 5A

System Components

Every system comes with detailed QuickGuides



18. QG300

19. QG100



1. FN140

2. FN150

3. FN130

4. FN231

5. FN214

6. FN217

7. FN218

8. FN219

9. PT103

10. TU119

16. AL203

17. AL103

15. AL110

14. DM214

13. DM212

11. DM221

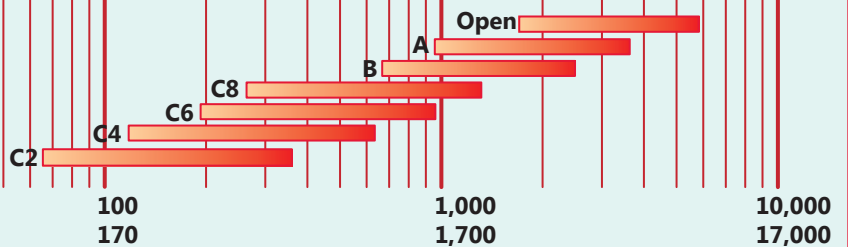
12. DM235

Includes:

- 1000 Fan Top, 2. Model 1000 calibrated fan, 3. Fan Cover, 4. Fan Blade, 5. Range Plate A, 6. Range Plate B, 7. Range Plate C, 8. Plug set, 9. 25 ft power cord, 10. Color coded tubing kit with Static Pressure Probe, 11. DM-2 digital gauge with NiMH rechargeable batteries (charge in the gauge), 12. 6.5 ft umbilical, 13. USB cable, 14. Laptop-style gauge case, 15. Aluminum frame, 16. Single fan cloth, 17. Gun-style case, 18. DoorFan QuickGuide, 19. DM-2 QuickGuide.



(Flow at 50 Pascals)



CFM 10
m³/hr 17

100
170

1,000
1,700

10,000
17,000

Wide span between the minimum/maximum flow, and seven included ranges, allow the leakiest and tightest buildings to be tested. Calibration meets ASTM E779-10, EN 13829, CGSB 149.10, ATTMA TS-1, NFPA 2001. Flow is reduced by 15% for 50Hz.

Options for Model 1000



Pressure Pans to locate leakiest ducts.
PT102 (large), # PT101 (small)



Upper Cross-bar
AL112



Frame extender kit to 48" wide by 105" high (requires large cloth). # AL215



Hard Sided Fan Case works as equipment stand.
FN211



Double fan cloth.
AL204



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