

Retrotec's DM32X

rev 2023-06-08

Digital Manometer QuickGuide

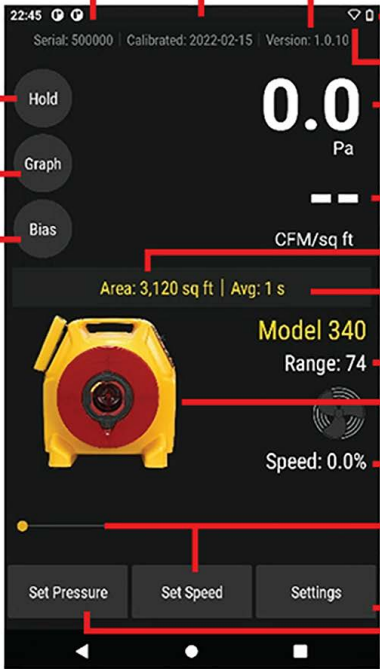


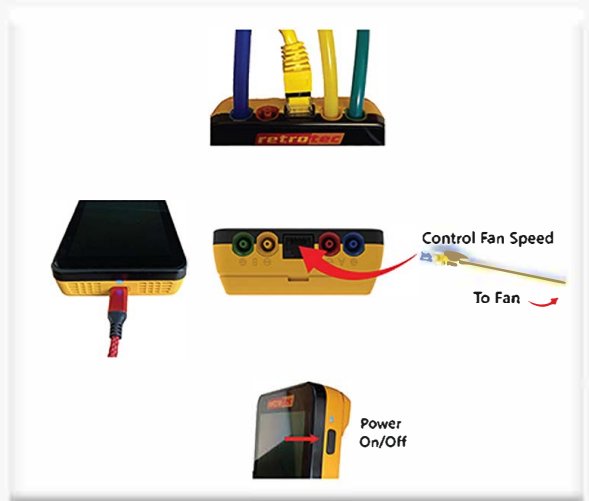
Diagram illustrating the Retrotec DM32X app interface with various features labeled:

- Gauge Serial Number
- Most Recent Gauge Calibration Date
- Gauge Software Version Indicator
- Battery Life Indicator
- Network Connection Type (Wired, Wifi)
- [Channel A]: Reading: Tap to "HOLD" this reading
- [Channel B]: display: Tap to change Results to be Displayed [Area] or [Volume]
- Time averaging setting or ["HOLD"]
- [Range]: change range Installed on device
- [Device]: change device in use
- Fan Speed Indicator
- [Set Speed]: control attached device by sending target speed control signal or by using the slide bar
- [Settings]: change parameters in gauge (retrieved even after gauge has been powered off)
- [Set Pressure]: change speed control signal until pressure on A reaches the target pressure
- [Bias]: Capture baseline pressure
- [Graph]: real time graphic display
- [HOLD]: tap to hold reading



1 Unpack, connect gauge

- ☐ Remove everything from the case.
- ☐ Power on the gauge, tap the screen & check the battery state. Charge if necessary.
- ☐ Setup wifi connection to get access to additional video assistance.
- ☐ Connect the applicable color-coded tubes to the gauge depending your type of test.
- ☐ Connect USB-C cable to gauge & Ethernet Cable to Fan.

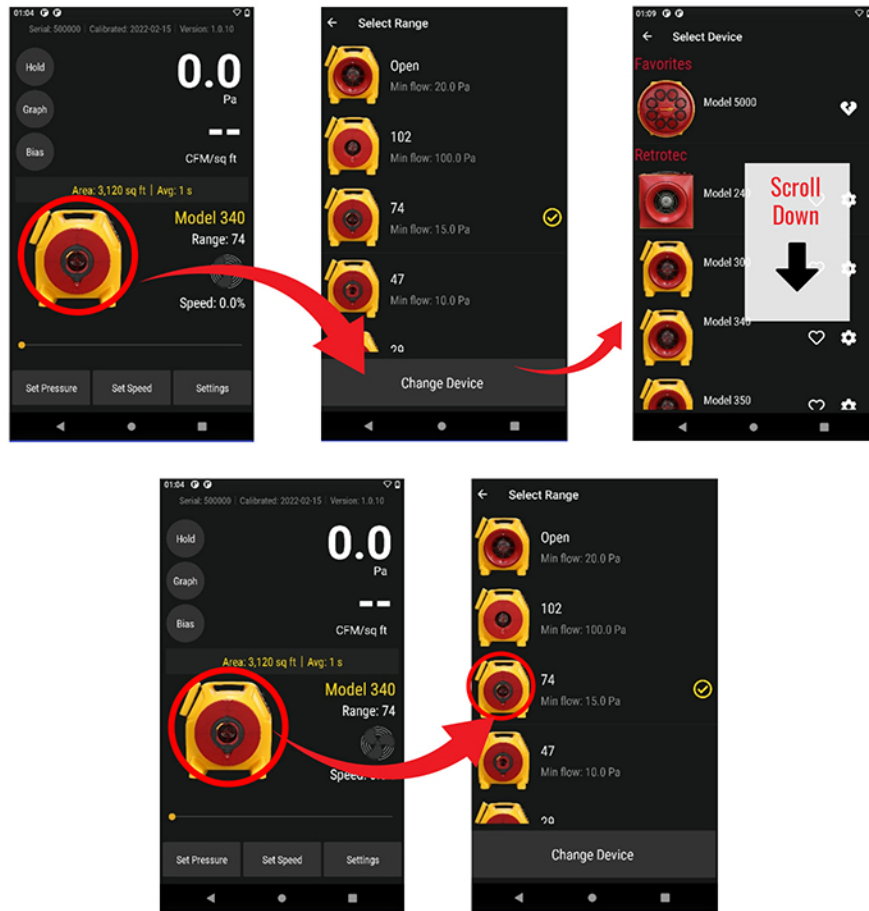


2

Set Range on Device

- Tap the Device image. Select a new Range, or tap, [Change Device].

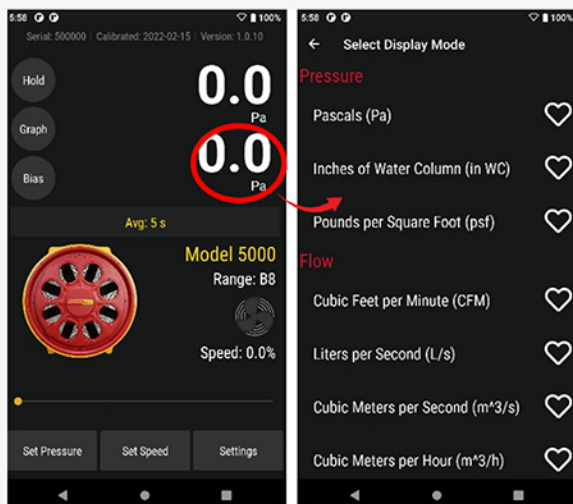
Note: for blower door fans, ensure to configure the plugs in the exact same pattern you see on the gauge.



3

Choose Desired Result

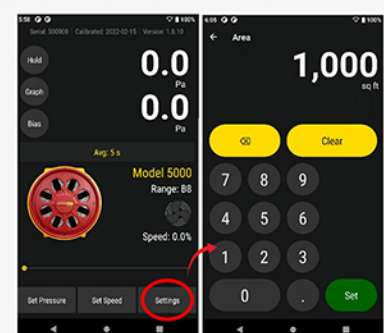
- Tap [Channel B] & choose your desired pressure or flow result to display.



4

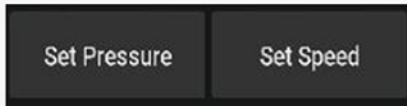
Set Area & Volume

- Tap [Settings] and select [Area]. Enter the Area and tap [Set].
- Tap [Settings] and select [Volume]. Enter the Area and tap [Volume].
- Return to the main Gauge screen using the circle button in the center at the bottom of the screen.



5

Run a test



- ☐ Tap [Set Pressure] to target a pressure.
Or, Tap [Speed] to set a speed from 0% to 100%

- ☐ Tap [Bias] to enter a Bias Pressure if desired

a Tap to "Hold". Tap again to Release.

b Tap to change Pressure of Flow Result on Channel A.

c Tap to change Pressure of Flow Result on Channel B.

d Tap jogging features to increase or decrease. You can change the increments for the jog feature in [Settings].

e Tap to calculate Result exactly at (@) the "Set Pressure"

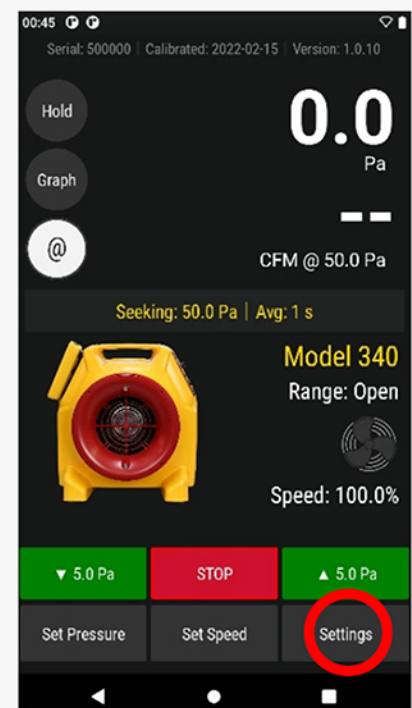
f Tap to show Real Time Graphing

g Tap [STOP] to turn fan Off

Change DM32X Gauge Settings

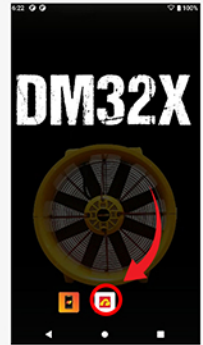
Tap [Settings]. Settings allows you to change:

Area	Pressure Exponent
Volume	Default @ Pressure
Time Averaging	Baseline Pressure
Enclosure Units	Differential Pressure Step
Remote Logging	Gauge Language
Channel B mode	Fan Speed % Step



Run rCloud from the DM32X

rCloud, Retrotec's automated residential testing software, is now embedded as an app onto the DM32X gauge. The app is found from the Main Home Screen, placed next to the Main Gauge App and the rResources App. Setup your equipment and open the rCloud app on the DM32X. Visit <https://retrotec.com/rcloud.html> for full information on how to use rCloud.



Run rResources from the DM32X

The rResources App is pre-installed app on the DM32X gauge. The app is found from the Main Home Screen, placed next to the Main Gauge App and the rCloud App.

The rResources App consists of a plethora of resources to assist with testing applications related to the gauge. It is broken into three primary sections: QuickGuides, Manuals, & Videos.

