Ventilation Test Instruments

9555 Menu Structure and Quick Reference

Application Note TSI-145



Keypad Functions

ON/OFF Key	Press to turn the AIRFLOW 9555 on and off. During the power up sequence the display will show the following: Model Number, Serial Number, Software Revision and Last Date Calibrated.	
Arrow (▲▼) Keys	Press to scroll through choices while setting a parameter. Pressing the $\blacktriangle \lor$ keys simultaneously will lock the keypad to prevent unauthorized adjustments to the instruments. To unlock the keypad, press the $\blacktriangle \lor$ keys simultaneously.	
← (Enter) Key	Press to accept a value or condition.	
Arrow (∢ or ≻) and Menu Soft Keys	Press arrow keys to change choices while setting a parameter. Press the Menu soft key to select the Menu selections, which are Display Setup, Pressure Zero, Settings, Flow Setup, Actual/Std Set up, Data Logging, Applications, Calibration and Printer.	



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Main Soft Keys

Next Test

• Increments to the next available test ID.

Menu

• Accesses the main and sub-menus

Stats

 Displays the average, minimum, and maximum readings of the current Test ID.
Statistics can also be viewed from the Data Logging menu.



Common Terms

Sample	Consists of all of the measurement parameters stored at the same time.	
Test ID	A group of samples. The statistics (average, minimum, maximum, and count) are calculated for each test ID. The maximum number of test IDs is 100.	
Time Constant	The time constant is an averaging period. It is used to dampen the display. If you are experiencing fluctuating flows, a longer time constant will slow down those fluctuations. The display will update every second, but the displayed reading will be the average over the last time constant period. For example, if the time constant is 10 seconds, the display will update every second, but the displayed reading will be the average from the last 10 seconds. This is also referred to as a "moving average".	
Logging Interval	The logging interval is a frequency period that the instrument will log read- ings. For example, if the logging interval is set to 30 minutes, each sample will be the average of the last 30 minutes.	

Log Mode/Log Settings

You can set Log Mode to Manual, Auto-save, Cont-key, Cont-time, Program 1 or Program 2.

- Manual mode does not automatically save data, but instead prompts the user to save a sample.
- In Auto-save mode, the user manually takes samples that are automatically logged.
- In Cont-key mode, the user starts taking readings and logging by pressing the ← key. The instrument will continue taking measurements until the ← key is pressed again.
- In Cont-time mode, the user starts taking readings by pressing the ← key. The instrument will continue taking samples until a set period of time has passed.
- Auto-save, Cont-Key and Cont-time modes have the following additional Log Settings:

<u>Mode</u>	Log Settings
Auto-save	Log Interval
Cont-key	Log Interval
Cont-time	Log Interval
	Test Length

• Pressing the ▲▼ keys simultaneously will lock the keypad to prevent unauthorized adjustments to the instruments. To unlock the keypad, press the ▲▼ keys simultaneously.





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