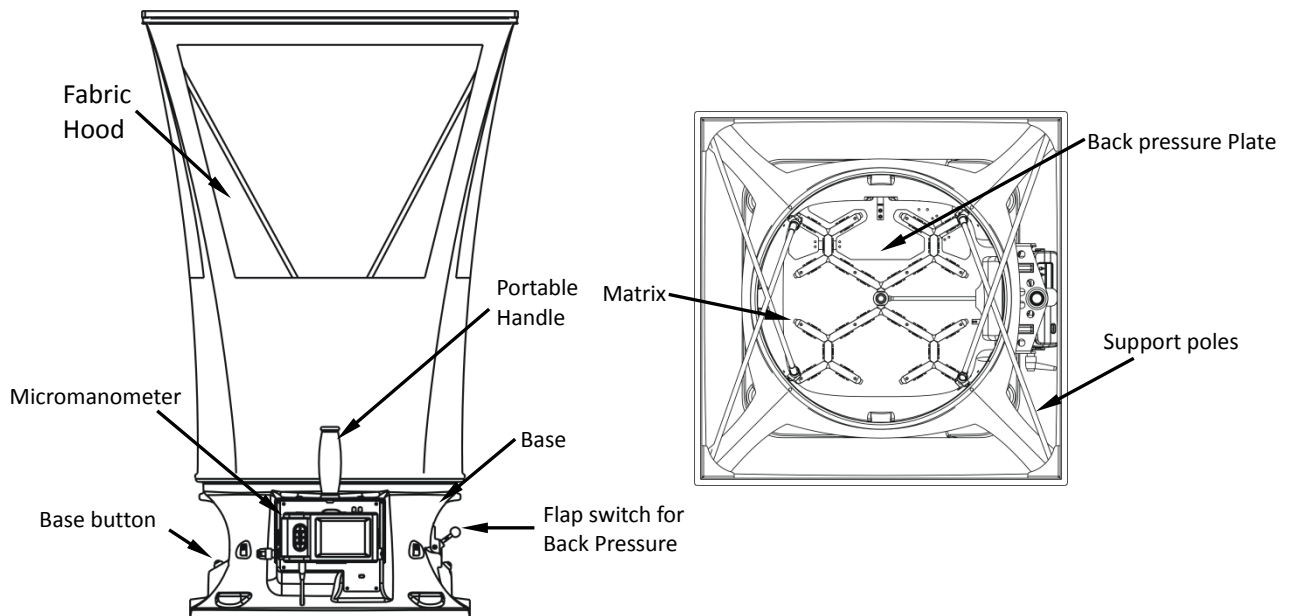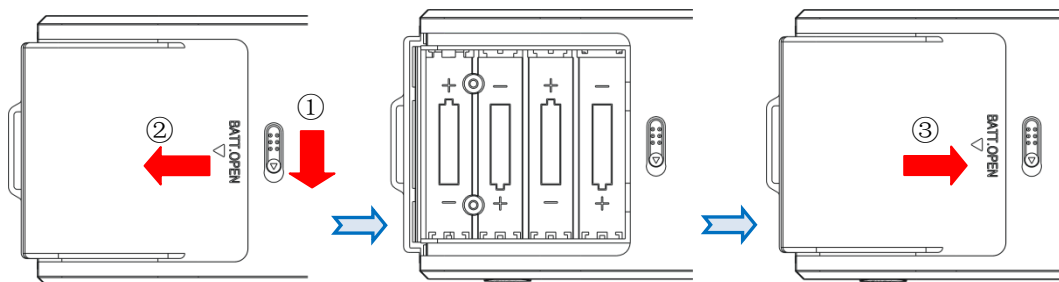# Quick Guide

Capture Hood 6715

1. Introduction

Capture Hood Model 6715 is a kind of intelligent test instrument for measuring air volume, temperature, humidity and air pressure . The Micro-manometer can be used for differential pressure testing independently.

Fabric Hood

Micromanometer

Base button

Portable Handle

Matrix

Base

Flap switch for Back Pressure

Back pressure Plate

Support poles

2. Batteries Power supply

BATT.OPEN
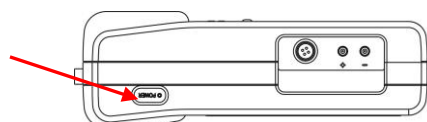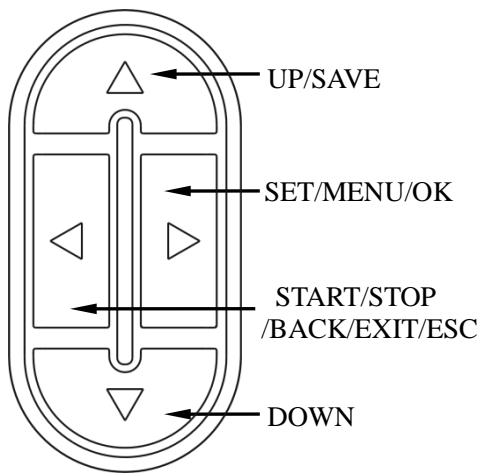
① ② ③

3.Power ON/OFF

Keep pressing【POWER】for about 2s for Power ON/OFF.

[POWER]   button

4. Keypad Operation

Keypad on Micromanometer (refer to the figure below:)

Key	Function
UP	Value increasing or Cursors upward moving
SAVE	Save the current test results
SET	Store changes or enter into the selected option's next level interface
MENU	On the main screen holding this down for 2 seconds will enter into the main "MENU"
OK	"In the "General Settings", pressing for 2 seconds will save the date or time ; While in the "Record Processing", pressing for 2 seconds will delete saved data.
START	Begin a measurement in main menu
STOP	Stop a measurement in main menu
BACK	Cancel or end an operation or return to the previous screen
EXIT	Return to the main menu
ESC	Stop printing when printing
DOWN	Value decreasing or Cursors downward moving

5. User Interface

When power start On for entering into the main testing interface, the bright icon key will be available or icon key grey for unavailable.
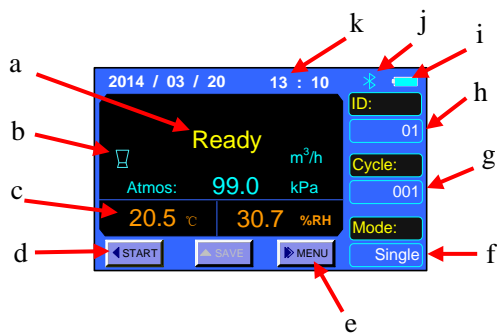
Item	Description
a	Testing data displaying——airflow 、differential pressure and etc.
b	Tools icon——working tools display
c	Testing condition——temperature 、humidity or atmosphere displaying according to the selected working tools.
d	Keypad——current status indicating and the grey state is not available
e	Keep pressing button "MENU" for entering to parameters setting
f	Testing mode ——display the current testing mode : Single Mode, Average Mode or Back Pressure Mode(B.P).
g	Cycle——recorded cycle quantity
h	ID——current ID quantity
i	Power supply——AC adapter or batteries
j	Blue tooth status——shows blue tooth working,
k	Date and time——real-time display the current date and time

6. Capture Hood setting up

1）Fabric Hood & basement

Make 4 position holes on base stitching as a guide to ensure the hood fully wraps around the base. And make the elastic remaining band tightly hold on the base of the capture hood. refer to the figures below:

2）Frame Poles

Insert one end of the pole into the install groove, just as the figure ① shows, and the other end inserting into the frame corner, just as the figure ② shows. the installations of the rest 3 poles refer to the figure ③ as the same steps. Note: The poles always cross in an "X" shape when assembling. To remove the poles, simply reverse the steps.

①   ②   ③

3）Micromanometer: installation procedure refer to the figures below : ①→⑤, and Figure ⑤ is the view of "After installation", unloading for remove is just reverse the steps.

①   ②   ③

(+) (-)

⑤   ④
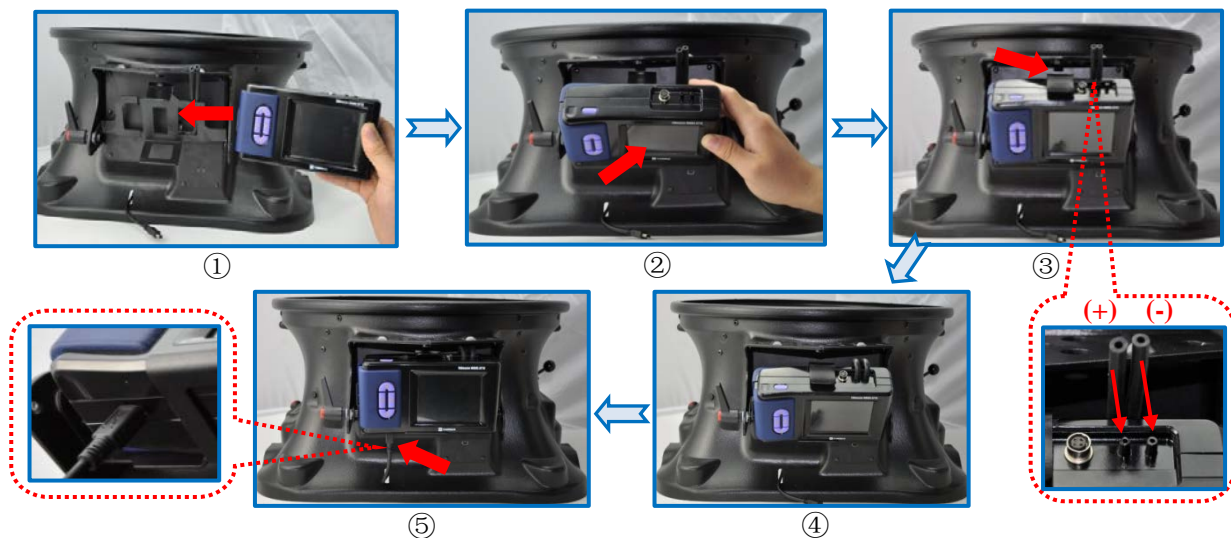
4）Portable handle: installation procedure refer to the figures ①②, After installation is just as

figure ③. And removing is just reverse the steps.

①   ②   ③
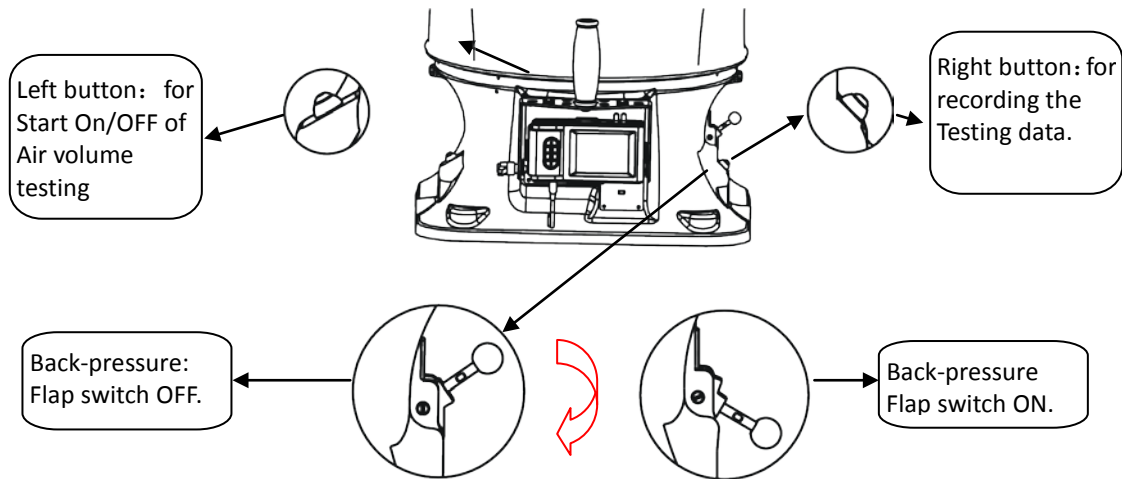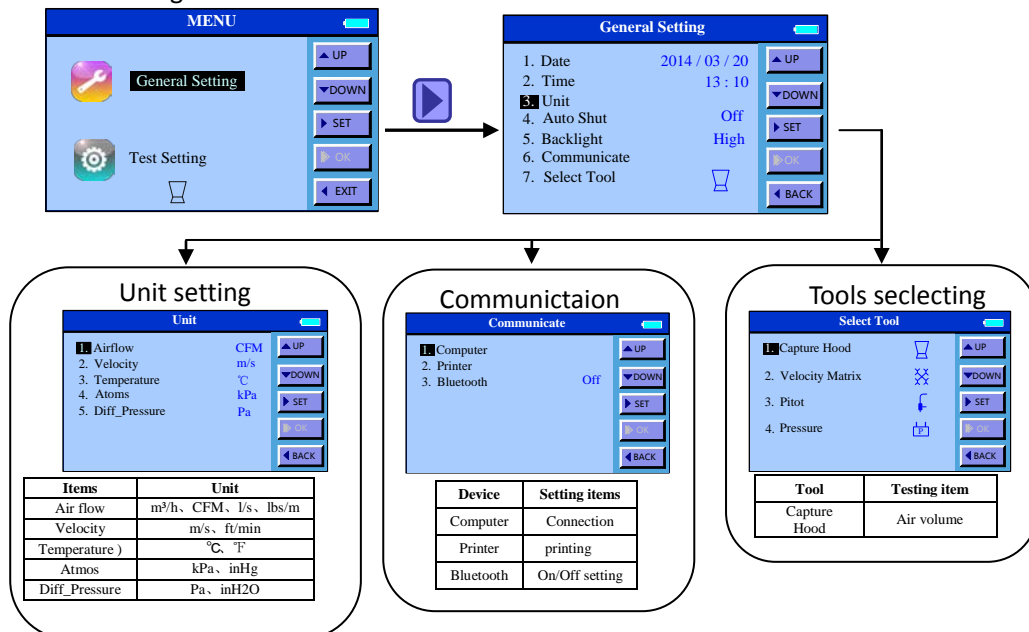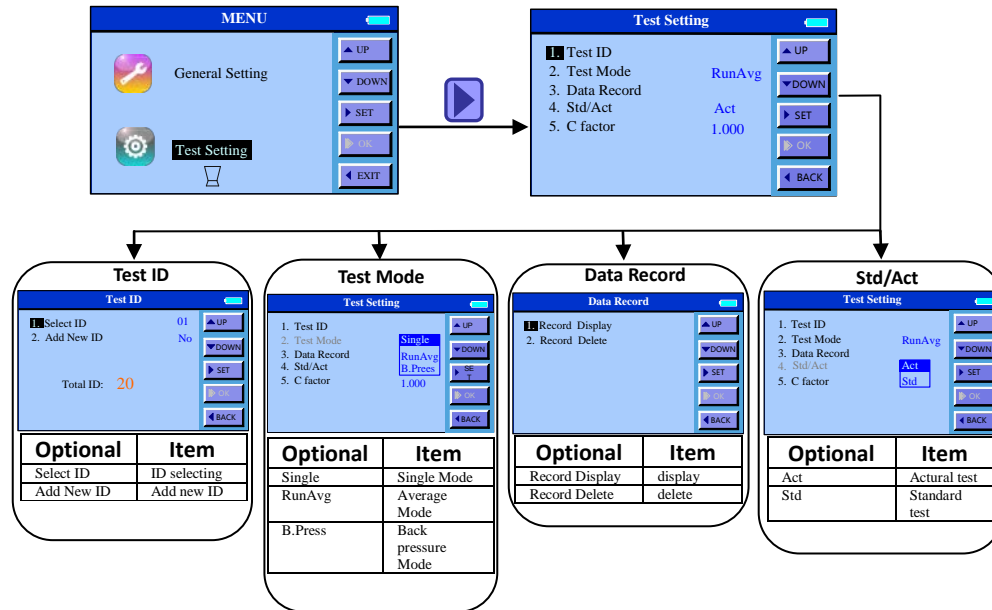
7. Button and switch on base

Left button：for Start On/OFF of Air volume testing

Right button：for recording the Testing data.

Back-pressure: Flap switch OFF.

Back-pressure Flap switch ON.

8. Parameter settings

Keep pressing ▶ for entering into the MENU, press ▲ / ▼ for setting parameters, then press ▶ for confirmation, press ◀ for return back.

1）General settings

MENU

General Setting	▲ UP
	▼ DOWN
	▶ SET
Test Setting	▶ OK
	◀ EXIT

General Setting

1. Date	2014 / 03 / 20	▲ UP
2. Time	13 : 10	▼ DOWN
3. Unit		▶ SET
4. Auto Shut	Off	
5. Backlight	High	▶ OK
6. Communicate		◀ BACK
7. Select Tool		

Unit setting

Unit

1. Airflow	CFM	▲ UP
2. Velocity	m/s	▼ DOWN
3. Temperature	℃	▶ SET
4. Atoms	kPa	▶ OK
5. Diff_Pressure	Pa	◀ BACK

Items	Unit
Air flow	m³/h、CFM、l/s、lbs/m
Velocity	m/s、ft/min
Temperature)	℃、℉
Atmos	kPa、inHg
Diff_Pressure	Pa、inH2O

Communictaion

Communicate

1. Computer		▲ UP
2. Printer		▼ DOWN
3. Bluetooth	Off	▶ SET
		▶ OK
		◀ BACK

Device	Setting items
Computer	Connection
Printer	printing
Bluetooth	On/Off setting

Tools seclecting

Select Tool

1. Capture Hood		▲ UP
2. Velocity Matrix		▼ DOWN
3. Pitot		▶ SET
4. Pressure		▶ OK
		◀ BACK

Tool	Testing item
Capture Hood	Air volume

2）Test settings

Optional	Item
Select ID	ID selecting
Add New ID	Add new ID

Optional	Item
Single	Single Mode
RunAvg	Average Mode
B.Press	Back pressure Mode

Optional	Item
Record Display	display
Record Delete	delete

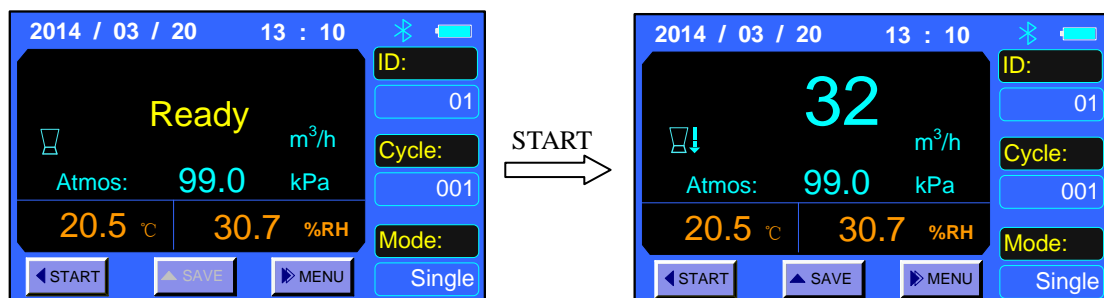| Optional	Item
Act	Actural test
Std	Standard test

9. Test steps

1) Units for airflow and Temp. setting ⟶ Tool selecting for Capture Hood ⟶ ID setting ⟶ choose Single Mode, Avg. Mode, or Back pressure Mode ⟶ choose Std/Act display mode.
After all, exit and return to the main test interface. Press "START" for testing On.

If under the Single Mode or B.P Mode, test will be finished and stop automatically.

If under the Avg. Mode, it's necessary for finish testing by press " STOP" manually.

When testing over under Single Mode or B.P Mode, press "SAVE" for testing data record.

Or if under Avg. Mode for testing, data record of Auto save and Manual save can be optional.

10. Main specifications

Test Items		Specifications
Air flow	Test range	40～4300 m^3/h
	Accuracy	±3% of readings ± 10m^3/h（＞85m^3/h）
	Resolution	1 m^3/h
Differential Pressure	Test range	-2500～2500Pa
	Accuracy	±0.25% of readings ±1Pa
	Resolution	0.001Pa
Temperature	Test range	0～60℃
	Accuracy	±0.5℃
	Resolution	0.1℃
Humidity	Test range	0～100%RH
	Accuracy	±3%RH（10～90%RH）
	Resolution	0.1%RH
Air pressure	Test range	70~130kPa
	Accuracy	±2% of readings
	Resolution	0.1 kPa
Operation Temp.		0～60℃（（non condensing ））
Storage Temp.		-20～70℃（（non condensing ））
Back pressure compensation（Capture Hood）		Yes
Data Record		8000 samples
Data transmission		Data Statistics（Max、Min、Avg.）: read、delete available; and can be connected with PC (USB) and printer.
Fabric Hood Size	Standard	610×610 mm
	Optional	500×500mm；610×1220mm；305×1220mm；915×610mm；915×915mm
Power supply		4 AA-size batteries（for about 9 hours）or AC Adapter of DC5V
Weight		3.6kg approx.
Standard Attachment		Micromanometer 6715-DP、Base、610×610 mm Standard Hood Kits、Carry case、Potable handle、Communication cable、CD-Rom（Instruction Manuel and testing software inside）、Quick Guide.
Optional Accessories		Pitot tube kits :6715-PT、Velocity Matrix kits: 6715-MX、Shoulder strape、Printer、AC Adapter、Plugs、Tri-pod Stand（up to 3.5m with capture hood）、optional hoods、air pipes.