

6 Digits high resolution
Barometer Thermometer Barometer Hygrometer
Altimeter Vertical speed meter

User's manual
For
Software Ver 3.023 or later
Hardware Ver 3.x

Namiki Electric Industries

Sales and Service : ogenkicat@yahoo.co.jp

1 Buttons



Up & down button

Mode Button

2 Basic usage

Please connect USB power source such as USB charger or mobile battery. Then, the barometer automatically starts working.

In altitude mode, altitude can be calibrated by giving today's mean sea level pressure (altimeter setting) by up and down buttons.

In mean sea level pressure mode, sea level pressure can be calibrated by giving actual altitude by up and down buttons.

Display mode and QNH and other settings will be saved in internal non-volatile memory. So next time power on, starts with the same previous settings.

Mode	Display	Unit
1. P-h	Pressure	hPa
2. P-I	Pressure	inHg
3. t-C	Thermometer	°C
4. t-F	Thermometer	°F
5. H	Hygrometer	%
6. A	Altitude	m
7. A-F	Altitude	feet
8. P-h	Mean sea level pressure	hPa
9. P-I	Mean sea level pressure	inHg
10	Vertical speed	m/s
11	Vertical speed	ft/min

3 Sending data to PC

Free sample program is available upon buyer's request.

If connect to your PC, you can collect measured data continuously.

- Runs on Windows 7, 8, 10, or Mac OSX 10.10 or later.
- Data interval can be changed between 1 - 3600 seconds.
- Realtime graph and CSV data save.
- This sample program **runs on "Processing"**.
- **Need a little bit of programming skill** to use this sample program.

- If the sample program does not work on your PC, please contact us, we will support.

4 Advanced settings

This barometer works at the best performance with factory initial settings. Therefore, we do not recommend re-write settings unless you have clear reason.

- 1, Press mode button before power on.
- 2, Keep pressing mode button and connect power.
- 3, Maintenance mode starts. '8.8.8.8.8.8' will be displayed.
- 4, By mode button, mode changes as in the table below.
- 5, Change values by up and down buttons.
- 6, After all settings is finished, power off.

Mode	Display	Factory initial setting
LED test	All LED on 8.8.8.8.8.8	
0	Firmware version	
100 P	Barometer compensation A *1	1.00000
101 P	Barometer compensation B[hPa] *1	0.00000
102 P	Barometer smoothing speed *2	5
300 t	Temperature compensation A *1	1.00000
301 t	Temperature compensation B[°C] *1	0.00000
302 t	Temperature smoothing speed *2	20
500 H	Humidity compensation A *1	1.00000
501 H	Humidity compensation B [%] *1	0.00000
502 H	Humidity smoothing speed *2	1
602 A	Altitude smoothing speed *2	20
1002	Vertical speed smoothing speed *2	100
LED test	Repeat from LED test	

*1 compensation
A and B is adjustable in 'y = Ax + B' formula.
ex1 A=1.01000 : Value will be x 1.01 larger.
ex2 B=0.10000 : Value will be + 0.10 larger.

*2 smoothing speed
The larger number = catches faster and rapid changes.
The smaller number = add more stability.

For example, mode 102 is barometer smoothing speed. If you set larger number, barometer will be faster. But it will catch gust wind comes into the building, or room door slamming.

If you don't need to catch this kind of sudden changes, set small number. Then smoothing filter works more strongly and measurement result will be more stable.

5 Contact

Direct sale & whole sale

Repair

Questions

Please send email to :

ogenkicat@yahoo.co.jp

6 Notices and Disclaimers

Do not use near flammable materials. Do not shock. Keep away from water. Prevent dew condensation. Damaged product may overheat or burn. Do not connect power when this product is over 40°C. Use power source with over current stop for safety. Use DC5.0V power. Do not use other voltage. Do not leave the barometer power on without operator observation. If anything abnormal was found, power off immediately. Result by usage without observation is user's responsibility. We shall not be responsible for any loss, damages and troubles. The parties hereby consent to and confer exclusive jurisdiction upon Tokyo district court over any disputes arising out of or relating to this product.

7 Warranty

The warranty begins on the day of delivery and is effective for one year. The warranty provides free repair or exchange in case of failures caused by manufacturer's fault. The cost to sending back must be paid by user. Failures by following cause are not covered.

Wrong usage.

Disassemble, repair or modification by other companies.

Natural disaster, fire, flood, lightning abnormal voltage.

Wet, drop, dust, mud.

Improper maintenance.

Failure caused by outside of the product.

Consumable supplies.