

## Altimeter Guide

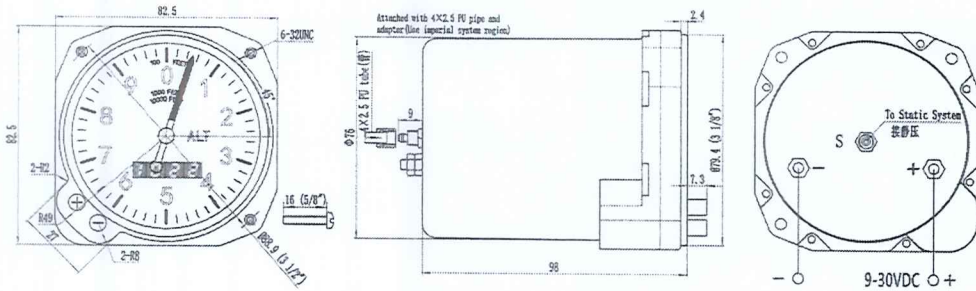


Illustration of Instrument Appearance and Connection

### Specifications:

- Operational Temperature:  $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Operational Voltage:  $9 \sim 30\text{VDC}$
- Operational Current:  $\leq 0.3\text{A}$
- Altimeter Standards: JJG683
- Weight:  $\leq 380\text{g}$
- Range:  $-1,000 \sim 10,000 \text{ m} / -3,200 \sim 40,000 \text{ ft}$  (depends on specific models)
- Barometric units: mb/inHg/mmHg (switchable)
- Reference barometric pressure Adjusting range:  $200 \sim 1150 \text{ mb} / 6 \sim 33.9 \text{ inHg} / 150 \sim 860 \text{ mmHg}$

### Setting Instructions:

#### Adjusting the reference barometric pressure

The four-digit barometric window below can be found at the bottom of the dial:

1013

The  $\oplus$  and  $\ominus$  buttons is used to adjust barometric pressure. Press  $\oplus/\ominus$  to increase/decrease the value. Hold down  $\oplus/\ominus$  to advance setting at high speed; Hold down  $\oplus$  and  $\ominus$  simultaneously for three seconds to set the reference barometric pressure to barometric pressure sensed at the moment.

#### Changing barometric units

Before making any adjustment, please make sure the altimeter is power off. Hold down  $\oplus$  and  $\ominus$  simultaneously and turn power on. Release the buttons once the LED display has turned on. The current barometric unit is displayed. Use  $\oplus/\ominus$  to scroll through available units, until the desired unit is displayed. The altimeter will enter working mode automatically when there is no input from either button for 5 seconds.

Definitions of barometric unit on display:  $mb$  (nb=mb)  $inHg$  (inH=inHg)

$mmHg$  (nnH=mmHg)

#### Calibrating/offsetting the altimeter

The altimeter is equipped with a fine air pressure sensor, with very little drift over time. However if a constant small error is found in the altimeter reading, an offset to correct this can

be set. First make sure the altimeter is power off, then hold down  $\oplus$  and turn on the altimeter. Release the button when the LED display is on. The display shows current value of any offsets:

1001 (Offset of '+001', maximum '+999')

-001 (Offset of '-001', maximum '-999')

Altimeter reading = Altitude measured + Offset

Press  $\oplus/\ominus$  to increase/decrease the value. Hold down  $\oplus/\ominus$  to advance settings at high speed. The altimeter will enter working mode automatically when there is no input from either button for 5 seconds.

#### Adjusting LED brightness

Following one of the two procedures below to activate LED brightness setting:

- Make sure the altimeter is power off, hold down  $\ominus$  and turn the altimeter on. Release the button when the LED display is on.
- While the altimeter is in working mode, press  $\oplus$  and  $\ominus$  simultaneously and quickly two times (press  $\oplus$  and  $\ominus$  simultaneously for 0.5s and release and press again in 0.5s).

The display will show 'LEDx' where 'x' indicates the level of brightness. The level of brightness

sorted from highest to lowest as following: LED3 LED2 LED1  
LED0

Press  $\oplus/\ominus$  to increase/decrease level of brightness. The altimeter will enter working mode automatically when there is no input from either button for 5 seconds.

**Note:** Do not connect instrument to any other power source. Damage may occur.

This unit has not been approved for type certified aircraft.

Operating ranges available in current models: 40,000ft with three pointers, 10,000ft with two pointers, 10,000m with two pointers, 10,000m with three pointers (high resolution 10,000-meter altimeter with one turn per 100m)

### CERTIFICATE OF QUALITY

DATE:

2024年 11月 25日

NAME OF INSTRUMENT

Altimeter

MODEL NO.

ALT3-

SERIAL NO.

THIS INSTRUMENT HAS BEEN TESTED TO FACTORY QUALITY STANDARDS, AND APPROVED FOR INSTALLATION.

INSPECTED BY:

31093

CHANGFENG INSTRUMENTS