

**AOFAR**<sup>®</sup>  
C O M P A S S

Model#:AF-5C

[www.aofar.com](http://www.aofar.com)

## 1. Product Specification

Model:	AF-5C
Brand:	AOFAR
Size:	128x60x16mm
Color:	black / Orange
Material:	Acrylic, damping oil
Accuracy:	$\pm 1^\circ$

Display mode:           Compass type

Carrying method:       Hand-held

## **2.Application**

Ideal for camping, hiking, adventure, positioning, mapping, etc.

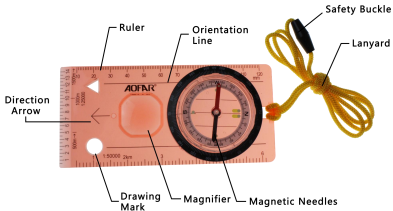
## **3.Principles and structures**

**3.1 Principles:** This instrument takes advantage of

the interaction of magnetic substance (magnetic needle) and the earth magnetic field, which has the feature of pointing out certain direction of magnetic meridian.

The direction of magnetic meridian is determined by referring to the scale on the dial and set goal. The unknown degree of another target can be measured based on two selected measure points (or the known measure points).

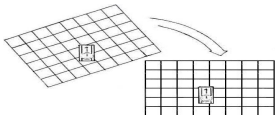
## 3.2 Structure:



## 4. Application and Instructions

### ● Compass to verify the map

Place the  
compass's  
Directional  
arrows and the  
forward target



pointing arrow on the map. Turn the map to the edge of

the compass floor and point to the north line of the map.  
The map will match the real place.

● **Estimate the target point distance through the map**

Use the centimeter of the compass to measure the distance between the targets on the map, then multiply by the scale factor

Map ratio: 1:25000

Actual distance (m) = measured distance (mm) \* 25000  
÷ 1000

Map ratio: 1:50000

● **Compass to measure the position  
in the field**

1. Place the compass flat on the left hand.
2. Point the target arrow to the target





point in line with yourself.

3. Turn the compass dial so that the directional arrows overlap the magnetic needle and the north direction.

4. The degree of azimuth on the compass dial is the target point orientatio

## **5.Attention**

1. Keep horizontal when storing and using, so that the

- magnetic needle can rotate freely.
2. Avoid contact with corrosive liquids;
  3. Keep away from magnetic fields or metals.
  4. Protect against collisions.
  5. Avoid exposure to the sun;
  6. It should be cleaned after use.

## **6.Contact us**

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URL : [www.aofar.com](http://www.aofar.com)